

Bicyclo[3.1.0]hexane, 4-methylene-1-(1-methylethyl)-

Other names:	1-Isopropyl-4-methylenebicyclo[3.1.0]hexane 4(10)-Thujene Sabinen Sabinene (+)-Sabinene THUJENE, 4(10)- NSC 407278 Sabinene («beta»-Thujene) 4-thujene 1-isopropyl-4-methylenebicyclo[3.1.0]hexane (sabinene) thuj-4(10)-ene
Inchi:	InChI=1S/C10H16/c1-7(2)10-5-4-8(3)9(10)6-10/h7,9H,3-6H2,1-2H3
InchiKey:	NDVASEGYNIMXJL-UHFFFAOYSA-N
Formula:	C10H16
SMILES:	<chem>C=C1CCC2(C(C)C)CC12</chem>
Mol. weight [g/mol]:	136.23
CAS:	3387-41-5

Physical Properties

Property code	Value	Unit	Source
chl	-6181.90	kJ/mol	NIST Webbook
gf	199.97	kJ/mol	Joback Method
hf	-9.93	kJ/mol	Joback Method
hfus	6.95	kJ/mol	Joback Method
hvap	36.30	kJ/mol	Joback Method
log10ws	-2.93		Crippen Method
logp	2.999		Crippen Method
mcvol	125.740	ml/mol	McGowan Method
pc	2934.52	kPa	Joback Method
rinpol	975.00		NIST Webbook
rinpol	972.00		NIST Webbook
rinpol	957.00		NIST Webbook
rinpol	970.00		NIST Webbook
rinpol	973.00		NIST Webbook
rinpol	964.00		NIST Webbook
rinpol	962.00		NIST Webbook
rinpol	961.00		NIST Webbook

rinpol	953.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	992.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	979.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	954.00	NIST Webbook
rinpol	953.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	961.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	958.00	NIST Webbook

rinpol	961.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	959.00	NIST Webbook
rinpol	973.50	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	955.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	983.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	959.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	974.00	NIST Webbook

rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	997.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	1001.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	979.00	NIST Webbook
rinpol	940.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	982.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	981.00	NIST Webbook
rinpol	958.00	NIST Webbook

rinpol	976.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	981.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	982.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	980.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	950.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	971.00	NIST Webbook

rinpol	967.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	961.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	991.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	952.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	966.00	NIST Webbook

rinpol	968.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	986.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	986.00	NIST Webbook
rinpol	986.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	983.00	NIST Webbook
rinpol	981.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	970.00	NIST Webbook

rinpol	975.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	981.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	959.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	957.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	970.00	NIST Webbook

rinpol	970.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	959.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	952.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	949.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	953.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	979.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	954.00	NIST Webbook
rinpol	977.00	NIST Webbook

rinpol	975.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	986.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	954.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	974.38	NIST Webbook
rinpol	977.34	NIST Webbook
rinpol	980.41	NIST Webbook
rinpol	983.56	NIST Webbook
rinpol	986.74	NIST Webbook
rinpol	957.68	NIST Webbook
rinpol	960.31	NIST Webbook
rinpol	962.99	NIST Webbook
rinpol	965.75	NIST Webbook
rinpol	968.57	NIST Webbook
rinpol	971.45	NIST Webbook
rinpol	980.38	NIST Webbook
rinpol	986.91	NIST Webbook
rinpol	974.34	NIST Webbook
rinpol	977.45	NIST Webbook
rinpol	980.42	NIST Webbook
rinpol	983.73	NIST Webbook
rinpol	986.93	NIST Webbook
rinpol	990.19	NIST Webbook
rinpol	968.03	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	994.00	NIST Webbook
rinpol	983.30	NIST Webbook
rinpol	987.80	NIST Webbook
rinpol	994.20	NIST Webbook
rinpol	973.00	NIST Webbook

rinpol	961.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	954.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	980.00	NIST Webbook
rinpol	944.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	979.50	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	966.00	NIST Webbook

rinpol	965.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	996.00	NIST Webbook

rinpol	984.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	959.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	979.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	981.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	992.00	NIST Webbook
rinpol	976.00	NIST Webbook

rinpol	979.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	981.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	952.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	953.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	992.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	956.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	961.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	979.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	976.00	NIST Webbook

rinpol	974.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	980.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	955.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	987.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	953.00	NIST Webbook
rinpol	991.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	957.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	966.00	NIST Webbook

rinpol	973.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	957.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	957.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	957.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	963.84	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook

rinpol	979.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	980.00	NIST Webbook
rinpol	987.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	973.00	NIST Webbook

rinpol	977.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	983.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	957.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	956.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	946.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	974.00	NIST Webbook

rinpol	977.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	979.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	974.00	NIST Webbook

rinpol	975.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	979.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	986.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	984.00	NIST Webbook

rinpol	945.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	984.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	987.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	946.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	955.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	961.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	946.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	945.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	976.00	NIST Webbook

rinpol	967.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	953.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	961.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	955.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	973.00	NIST Webbook

rinpol	979.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	979.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	981.00	NIST Webbook
rinpol	982.00	NIST Webbook
rinpol	961.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	952.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	982.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	983.00	NIST Webbook
rinpol	957.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	974.30	NIST Webbook
rinpol	958.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook

rinpol	976.00	NIST Webbook
rinpol	980.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	961.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	960.00	NIST Webbook
rinpol	945.00	NIST Webbook
rinpol	940.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	961.00	NIST Webbook
rinpol	953.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	964.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	984.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	948.00	NIST Webbook
rinpol	946.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	969.00	NIST Webbook
rinpol	970.00	NIST Webbook

rinpol	960.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	985.00	NIST Webbook
rinpol	985.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	979.00	NIST Webbook
rinpol	977.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	965.00	NIST Webbook
rinpol	983.00	NIST Webbook
rinpol	980.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	979.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	975.00	NIST Webbook
rinpol	955.00	NIST Webbook
rinpol	976.00	NIST Webbook
rinpol	967.00	NIST Webbook
rinpol	983.00	NIST Webbook
rinpol	973.00	NIST Webbook
rinpol	966.00	NIST Webbook
rinpol	962.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	978.00	NIST Webbook
rinpol	974.00	NIST Webbook
rinpol	968.00	NIST Webbook
rinpol	972.00	NIST Webbook
rinpol	970.00	NIST Webbook
rinpol	963.00	NIST Webbook
rinpol	971.00	NIST Webbook
rinpol	974.00	NIST Webbook

ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1148.00	NIST Webbook
ripol	1147.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1147.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1113.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1087.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1115.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1074.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1130.00	NIST Webbook

ripol	1132.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1111.00	NIST Webbook
ripol	1107.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1116.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1135.00	NIST Webbook
ripol	1136.00	NIST Webbook
ripol	1135.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1122.00	NIST Webbook
ripol	1118.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1134.00	NIST Webbook
ripol	1137.00	NIST Webbook
ripol	1131.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1126.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1149.00	NIST Webbook
ripol	1149.00	NIST Webbook
ripol	1149.00	NIST Webbook
ripol	1149.00	NIST Webbook
ripol	1149.00	NIST Webbook
ripol	1149.00	NIST Webbook
ripol	1131.00	NIST Webbook
ripol	1156.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1112.00	NIST Webbook

ripol	1092.00	NIST Webbook
ripol	1149.00	NIST Webbook
ripol	1114.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1135.00	NIST Webbook
ripol	1123.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1149.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1116.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1135.00	NIST Webbook
ripol	1112.00	NIST Webbook
ripol	1115.00	NIST Webbook
ripol	1118.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1117.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1114.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1138.00	NIST Webbook
ripol	1121.00	NIST Webbook
ripol	1101.00	NIST Webbook
ripol	1108.00	NIST Webbook
ripol	1134.00	NIST Webbook
ripol	1123.00	NIST Webbook
ripol	1118.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1113.00	NIST Webbook
ripol	1135.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1115.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1129.00	NIST Webbook
ripol	1125.00	NIST Webbook

ripol	1125.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1117.00	NIST Webbook
ripol	1117.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1139.00	NIST Webbook
ripol	1139.00	NIST Webbook
ripol	1123.00	NIST Webbook
ripol	1118.00	NIST Webbook
ripol	1140.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1123.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1122.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1096.00	NIST Webbook
ripol	1133.00	NIST Webbook
ripol	1134.00	NIST Webbook
ripol	1146.00	NIST Webbook
ripol	1097.00	NIST Webbook
ripol	1097.00	NIST Webbook
ripol	1117.00	NIST Webbook
ripol	1117.00	NIST Webbook
ripol	1110.00	NIST Webbook
ripol	1098.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1113.00	NIST Webbook
ripol	1131.00	NIST Webbook
ripol	1131.00	NIST Webbook
ripol	1133.00	NIST Webbook
ripol	1108.00	NIST Webbook
ripol	1106.00	NIST Webbook
ripol	1135.00	NIST Webbook
ripol	1133.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1121.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1118.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1145.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1099.00	NIST Webbook

ripol	1120.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1107.00	NIST Webbook
ripol	1117.00	NIST Webbook
ripol	1127.00	NIST Webbook
ripol	1126.00	NIST Webbook
ripol	1135.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1127.00	NIST Webbook
ripol	1113.00	NIST Webbook
ripol	1104.00	NIST Webbook
ripol	1133.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1136.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1137.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1123.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1106.00	NIST Webbook
ripol	1115.00	NIST Webbook
ripol	1123.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1107.00	NIST Webbook
ripol	1138.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1111.00	NIST Webbook
ripol	1107.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1095.00	NIST Webbook
ripol	1100.00	NIST Webbook
ripol	1093.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1109.00	NIST Webbook
ripol	1074.00	NIST Webbook

ripol	1124.00	NIST Webbook
ripol	1076.00	NIST Webbook
ripol	1083.00	NIST Webbook
ripol	1079.00	NIST Webbook
ripol	1115.00	NIST Webbook
ripol	1111.00	NIST Webbook
ripol	1118.00	NIST Webbook
ripol	1106.00	NIST Webbook
ripol	1108.00	NIST Webbook
ripol	1089.00	NIST Webbook
ripol	1103.00	NIST Webbook
ripol	1129.00	NIST Webbook
ripol	1133.00	NIST Webbook
ripol	1110.00	NIST Webbook
ripol	1118.00	NIST Webbook
ripol	1103.00	NIST Webbook
ripol	1147.00	NIST Webbook
ripol	1123.00	NIST Webbook
ripol	1107.00	NIST Webbook
ripol	1127.00	NIST Webbook
ripol	1118.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1114.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1118.00	NIST Webbook
ripol	1122.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1115.00	NIST Webbook
ripol	1108.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1115.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1156.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1121.00	NIST Webbook
ripol	1107.00	NIST Webbook
ripol	1110.00	NIST Webbook
ripol	1110.00	NIST Webbook
ripol	1120.00	NIST Webbook

ripol	1105.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1114.00	NIST Webbook
ripol	1135.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1105.00	NIST Webbook
ripol	1107.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1121.00	NIST Webbook
ripol	1105.00	NIST Webbook
ripol	1108.00	NIST Webbook
ripol	1105.00	NIST Webbook
ripol	1117.00	NIST Webbook
ripol	1112.00	NIST Webbook
ripol	1126.00	NIST Webbook
ripol	1134.00	NIST Webbook
ripol	1118.00	NIST Webbook
ripol	1103.00	NIST Webbook
ripol	1092.00	NIST Webbook
ripol	1126.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1114.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1123.00	NIST Webbook
ripol	1126.00	NIST Webbook
ripol	1126.00	NIST Webbook
ripol	1109.00	NIST Webbook
ripol	1126.00	NIST Webbook
ripol	1115.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1105.00	NIST Webbook
ripol	1115.00	NIST Webbook
ripol	1091.00	NIST Webbook
ripol	1131.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1112.00	NIST Webbook

ripol	1110.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1127.00	NIST Webbook
ripol	1114.00	NIST Webbook
ripol	1133.00	NIST Webbook
ripol	1122.00	NIST Webbook
ripol	1101.00	NIST Webbook
ripol	1146.00	NIST Webbook
ripol	1127.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1111.00	NIST Webbook
ripol	1122.00	NIST Webbook
ripol	1116.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1116.00	NIST Webbook
ripol	1097.00	NIST Webbook
ripol	1109.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1123.00	NIST Webbook
ripol	1120.00	NIST Webbook
ripol	1134.00	NIST Webbook
ripol	1125.00	NIST Webbook
ripol	1109.00	NIST Webbook
ripol	1109.00	NIST Webbook
ripol	1113.00	NIST Webbook
ripol	1116.00	NIST Webbook
ripol	1111.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1119.00	NIST Webbook
ripol	1115.00	NIST Webbook
ripol	1124.00	NIST Webbook
ripol	1116.00	NIST Webbook
ripol	1113.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1121.00	NIST Webbook
ripol	1121.00	NIST Webbook
ripol	1115.00	NIST Webbook
ripol	1113.00	NIST Webbook
ripol	1128.00	NIST Webbook
ripol	1132.00	NIST Webbook
ripol	1130.00	NIST Webbook
ripol	1136.00	NIST Webbook
ripol	1120.00	NIST Webbook

ripol	1132.90		NIST Webbook
ripol	1130.00		NIST Webbook
tb	436.70	K	NIST Webbook
tb	437.00 ± 4.00	K	NIST Webbook
tc	645.23	K	Joback Method
tf	260.92	K	Joback Method
vc	0.485	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	273.23	J/mol×K	440.64	Joback Method
cpg	290.70	J/mol×K	474.74	Joback Method
cpg	306.80	J/mol×K	508.84	Joback Method
cpg	321.68	J/mol×K	542.93	Joback Method
cpg	335.47	J/mol×K	577.03	Joback Method
cpg	348.30	J/mol×K	611.13	Joback Method
cpg	360.33	J/mol×K	645.23	Joback Method
cpl	252.30	J/mol×K	297.00	NIST Webbook
cpl	252.90	J/mol×K	288.30	NIST Webbook

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3387415&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307i
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

chl:	Standard liquid enthalpy of combustion
cpg:	Ideal gas heat capacity
cpl:	Liquid phase heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions

hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:

<https://www.cheméo.com/cid/70-392-9/Bicyclo-3-1-0-hexane-4-methylene-1-1-methylethyl.pdf>

Generated by Cheméo on 2024-04-28 14:06:48.016564427 +0000 UTC m=+16602456.937141745.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.