Bicyclo[3.1.0]hexan-2-ol, 2-methyl-5-(1-methylethyl)-, (1«alpha»,2«beta»,5«alpha»)-

Other names: 5-Isopropyl-2-methylbicyclo[3.1.0]hexan-2-ol-, (1«alpha»,2«beta»,5«alpha»)-
(1R,2S,5S)-5-Isopropyl-2-methylbicyclo[3.1.0]hexan-2-ol
cis-Sabinene hydrate (cis for IP vs Me)
cis-Sabinene hydrate
Sabinene hydrate, cis
cis-Sabinenhydrate
(1«alpha»,2«beta»,5«alpha»)-2-Methyl-5-(1-methylethyl)bicyclo(3.1.0)hexan-2-ol
Sabinene hydrate trans (trans for IP vs. OH)
trans-Sabinene hydrate (trans for IP vs. OH)
cis-Thujane-4-ol
cis-4-Thujanol
15537-55-0
Sabinene hydrate trans

Inchi: InChI=1S/C10H18O/c1-7(2)10-5-4-9(3,11)8(10)6-10/h7-8,11H,4-6H2,1-3H3/t8?,9-,10-/m1

InchiKey: KXSDPILWMGFJMM-VXRWAFEHSA-N

Formula: C10H18O

SMILES: CC(C)C12CCC(C)(O)C1C2

Mol. weight [g/mol]: 154.25

CAS: 15537-55-0

Physical Properties

Property code	Value	Unit	Source
gf	-3.13	kJ/mol	Joback Method
hf	-251.50	kJ/mol	Joback Method
hfus	6.97	kJ/mol	Joback Method
hvap	51.36	kJ/mol	Joback Method
log10ws	-2.45		Crippen Method
logp	2.194		Crippen Method
mcvol	135.910	ml/mol	McGowan Method
pc	3224.64	kPa	Joback Method
rinpol	1054.00		NIST Webbook
rinpol	1066.00		NIST Webbook
rinpol	1070.30		NIST Webbook
rinpol	1069.00		NIST Webbook
rinpol	1064.00		NIST Webbook
rinpol	1053.00		NIST Webbook
rinpol	1053.00		NIST Webbook

rinpol	1070.00	NIST Webbook
rinpol	1070.00	NIST Webbook
rinpol	1069.00	NIST Webbook
rinpol	1053.00	NIST Webbook
rinpol	1064.00	NIST Webbook
rinpol	1067.00	NIST Webbook
rinpol	1067.00	NIST Webbook
rinpol	1074.00	NIST Webbook
rinpol	1060.00	NIST Webbook
rinpol	1051.00	NIST Webbook
rinpol	1059.00	NIST Webbook
rinpol	1068.00	NIST Webbook
rinpol	1068.00	NIST Webbook
rinpol	1068.00	NIST Webbook
rinpol	1064.00	NIST Webbook
rinpol	1070.30	NIST Webbook
rinpol	1098.00	NIST Webbook
rinpol	1081.00	NIST Webbook
rinpol	1050.00	NIST Webbook
rinpol	1068.00	NIST Webbook
rinpol	1065.00	NIST Webbook
rinpol	1070.00	NIST Webbook
rinpol	1061.00	NIST Webbook
rinpol	1069.00	NIST Webbook
rinpol	1074.00	NIST Webbook
rinpol	1062.00	NIST Webbook
rinpol	1068.00	NIST Webbook
rinpol	1070.00	NIST Webbook
rinpol	1071.00	NIST Webbook
rinpol	1099.00	NIST Webbook
rinpol	1070.00	NIST Webbook
rinpol	1077.00	NIST Webbook
rinpol	1052.00	NIST Webbook
rinpol	1068.00	NIST Webbook
rinpol	1057.00	NIST Webbook
rinpol	1081.00	NIST Webbook
rinpol	1070.00	NIST Webbook
rinpol	1097.00	NIST Webbook
rinpol	1070.00	NIST Webbook
rinpol	1058.00	NIST Webbook
rinpol	1057.00	NIST Webbook
rinpol	1098.00	NIST Webbook
rinpol	1091.00	NIST Webbook
rinpol	1080.00	NIST Webbook

rinpol	1071.00		NIST Webbook
rinpol	1091.00		NIST Webbook
rinpol	1089.00		NIST Webbook
rinpol	1072.00		NIST Webbook
rinpol	1059.00		NIST Webbook
rinpol	1052.00		NIST Webbook
rinpol	1080.00		NIST Webbook
rinpol	1061.00		NIST Webbook
rinpol	1068.00		NIST Webbook
rinpol	1066.00		NIST Webbook
rinpol	1070.00		NIST Webbook
rinpol	1070.00		NIST Webbook
rinpol	1074.00		NIST Webbook
rinpol	1073.00		NIST Webbook
rinpol	1069.00		NIST Webbook
rinpol	1074.00		NIST Webbook
rinpol	1076.00		NIST Webbook
rinpol	1069.00		NIST Webbook
rinpol	1090.00		NIST Webbook
ripol	1469.00		NIST Webbook
ripol	1452.00		NIST Webbook
ripol	1445.00		NIST Webbook
ripol	1476.00		NIST Webbook
ripol	1465.00		NIST Webbook
ripol	1461.00		NIST Webbook
ripol	1469.00		NIST Webbook
ripol	1465.00		NIST Webbook
ripol	1450.00		NIST Webbook
ripol	1463.00		NIST Webbook
ripol	1473.00		NIST Webbook
ripol	1462.00		NIST Webbook
ripol	1426.00		NIST Webbook
ripol	1423.00		NIST Webbook
ripol	1469.00		NIST Webbook
tb	529.23	K	Joback Method
tc	727.62	K	Joback Method
tf	327.72	K	Joback Method
vc	0.517	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source

cpg	353.14	J/mol×K	529.23	Joback Method
cpg	368.19	J/mol×K	562.29	Joback Method
cpg	382.12	J/mol×K	595.36	Joback Method
cpg	395.11	J/mol×K	628.42	Joback Method
cpg	407.37	J/mol×K	661.49	Joback Method
cpg	419.07	J/mol×K	694.55	Joback Method
cpg	430.42	J/mol×K	727.62	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
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=C15537550&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

cpg:	Ideal gas 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

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