

«gamma»-HIMACHALENE

Other names:	(+)-«gamma»-himachalene
Inchi:	InChI=1S/C15H24/c1-11-7-8-13-12(2)6-5-9-15(3,4)14(13)10-11/h6,10,13-14H,5,7-9H2,1-
InchiKey:	PUWNTRHCKNHSAT-UHFFFAOYSA-N
Formula:	C15H24
SMILES:	CC1=CC2C(CC1)C(C)=CCCC2(C)C
Mol. weight [g/mol]:	204.35

Physical Properties

Property code	Value	Unit	Source
hf	-65.71	kJ/mol	Cheméo Relay (1.0)
hfus	16.82	kJ/mol	Joback Method
hvap	62.34	kJ/mol	Cheméo Relay (1.0)
ie	8.07	eV	Cheméo Relay (1.0)
logp	4.725		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
rinpol	1515.00		NIST Webbook
rinpol	1480.00		NIST Webbook
rinpol	1470.00		NIST Webbook
rinpol	1476.00		NIST Webbook
rinpol	1468.00		NIST Webbook
rinpol	1474.00		NIST Webbook
rinpol	1479.00		NIST Webbook
rinpol	1483.00		NIST Webbook
rinpol	1479.00		NIST Webbook
rinpol	1477.00		NIST Webbook
rinpol	1477.00		NIST Webbook
rinpol	1477.00		NIST Webbook
rinpol	1477.00		NIST Webbook
rinpol	1500.00		NIST Webbook
rinpol	1483.00		NIST Webbook
rinpol	1479.00		NIST Webbook
rinpol	1482.00		NIST Webbook
rinpol	1476.00		NIST Webbook
rinpol	1449.00		NIST Webbook
rinpol	1479.00		NIST Webbook
rinpol	1522.00		NIST Webbook
rinpol	1470.00		NIST Webbook

rinpol	1447.00		NIST Webbook
rinpol	1461.00		NIST Webbook
rinpol	1476.00		NIST Webbook
rinpol	1458.00		NIST Webbook
rinpol	1475.00		NIST Webbook
rinpol	1480.00		NIST Webbook
rinpol	1469.00		NIST Webbook
rinpol	1480.00		NIST Webbook
rinpol	1475.00		NIST Webbook
rinpol	1476.00		NIST Webbook
rinpol	1524.00		NIST Webbook
rinpol	1468.00		NIST Webbook
rinpol	1499.00		NIST Webbook
rinpol	1468.00		NIST Webbook
rinpol	1476.00		NIST Webbook
rinpol	1500.00		NIST Webbook
rinpol	1481.00		NIST Webbook
rinpol	1471.00		NIST Webbook
rinpol	1482.00		NIST Webbook
rinpol	1500.00		NIST Webbook
rinpol	1515.00		NIST Webbook
ripol	1723.00		NIST Webbook
ripol	1725.00		NIST Webbook
ripol	1737.00		NIST Webbook
ripol	1696.00		NIST Webbook
ripol	1700.00		NIST Webbook
ripol	1692.00		NIST Webbook
ripol	1721.00		NIST Webbook
ripol	1705.00		NIST Webbook
ripol	1705.00		NIST Webbook
ripol	1723.00		NIST Webbook
ripol	1711.00		NIST Webbook
ripol	1696.00		NIST Webbook
tb	537.25	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	503.31	J/mol×K	581.28	Joback Method
cpg	526.59	J/mol×K	619.11	Joback Method
cpg	548.47	J/mol×K	656.95	Joback Method

cpg	569.08	J/mol×K	694.78	Joback Method
cpg	588.58	J/mol×K	732.62	Joback Method
cpg	607.10	J/mol×K	770.45	Joback Method
cpg	624.78	J/mol×K	808.29	Joback Method

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R610603&Units=SI>

Joback Method: https://en.wikipedia.org/wiki/Joback_method

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature

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