

# (3S,3aR,3bR,4S,7R,7aR)-4-Isopropyl-3,7-dimethyl-

<b>Other names:</b>	Cubebol
<b>Inchi:</b>	InChI=1S/C15H26O/c1-9(2)11-6-5-10(3)15-8-7-14(4,16)13(15)12(11)15/h9-13,16H,5-8H2
<b>InchiKey:</b>	KONGRWVLXLWGDV-UHFFFAOYSA-N
<b>Formula:</b>	C15H26O
<b>SMILES:</b>	CC(C)C1CCC(C)C23CCC(C)(O)C2C13
<b>Mol. weight [g/mol]:</b>	222.37
<b>CAS:</b>	23445-02-5

## Physical Properties

Property code	Value	Unit	Source
gf	72.20	kJ/mol	Joback Method
hf	-328.74	kJ/mol	Joback Method
hfus	18.09	kJ/mol	Joback Method
hvap	61.96	kJ/mol	Joback Method
log10ws	-3.71		Crippen Method
logp	3.466		Crippen Method
mcvol	195.500	ml/mol	McGowan Method
pc	2159.31	kPa	Joback Method
rinpol	1517.00		NIST Webbook
rinpol	1515.00		NIST Webbook
rinpol	1514.00		NIST Webbook
rinpol	1515.00		NIST Webbook
rinpol	1515.00		NIST Webbook
rinpol	1515.00		NIST Webbook
rinpol	1515.00		NIST Webbook
rinpol	1515.00		NIST Webbook
rinpol	1512.00		NIST Webbook
rinpol	1517.00		NIST Webbook
rinpol	1516.00		NIST Webbook
rinpol	1515.00		NIST Webbook
rinpol	1500.00		NIST Webbook
rinpol	1514.00		NIST Webbook
rinpol	1518.00		NIST Webbook
rinpol	1506.00		NIST Webbook
rinpol	1514.00		NIST Webbook
rinpol	1533.00		NIST Webbook
rinpol	1533.00		NIST Webbook
rinpol	1515.00		NIST Webbook

rinpol	1514.00	NIST Webbook
rinpol	1495.00	NIST Webbook
rinpol	1515.00	NIST Webbook
rinpol	1515.00	NIST Webbook
rinpol	1496.00	NIST Webbook
rinpol	1512.00	NIST Webbook
rinpol	1520.00	NIST Webbook
rinpol	1497.00	NIST Webbook
rinpol	1503.00	NIST Webbook
rinpol	1514.00	NIST Webbook
rinpol	1513.00	NIST Webbook
rinpol	1509.00	NIST Webbook
rinpol	1522.00	NIST Webbook
rinpol	1510.00	NIST Webbook
rinpol	1516.00	NIST Webbook
rinpol	1515.00	NIST Webbook
rinpol	1518.00	NIST Webbook
rinpol	1514.00	NIST Webbook
rinpol	1515.00	NIST Webbook
rinpol	1518.00	NIST Webbook
rinpol	1520.00	NIST Webbook
rinpol	1515.00	NIST Webbook
rinpol	1514.00	NIST Webbook
rinpol	1510.00	NIST Webbook
rinpol	1513.00	NIST Webbook
rinpol	1516.00	NIST Webbook
rinpol	1511.00	NIST Webbook
rinpol	1513.00	NIST Webbook
rinpol	1513.00	NIST Webbook
rinpol	1513.00	NIST Webbook
rinpol	1513.00	NIST Webbook
rinpol	1515.00	NIST Webbook
rinpol	1518.00	NIST Webbook
rinpol	1529.00	NIST Webbook
rinpol	1512.00	NIST Webbook
rinpol	1488.00	NIST Webbook
rinpol	1512.00	NIST Webbook
rinpol	1510.00	NIST Webbook
rinpol	1509.00	NIST Webbook
rinpol	1485.00	NIST Webbook
rinpol	1531.00	NIST Webbook
rinpol	1514.00	NIST Webbook
rinpol	1521.00	NIST Webbook



ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1930.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1965.00		NIST Webbook
ripol	1947.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1941.00		NIST Webbook
ripol	1929.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1957.00		NIST Webbook
ripol	1914.00		NIST Webbook
tb	645.30	K	Joback Method
tc	849.11	K	Joback Method
tf	390.01	K	Joback Method
vc	0.745	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	596.91	J/mol×K	645.30	Joback Method
cpg	616.48	J/mol×K	679.27	Joback Method
cpg	635.16	J/mol×K	713.24	Joback Method
cpg	653.15	J/mol×K	747.21	Joback Method
cpg	670.70	J/mol×K	781.17	Joback Method
cpg	688.01	J/mol×K	815.14	Joback Method
cpg	705.32	J/mol×K	849.11	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C23445025&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C23445025&amp;Units=SI</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpola:</b>	Non-polar retention indices
<b>ripola:</b>	Polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

Latest version available from:

<https://www.chemeo.com/cid/69-670-2/3S-3aR-3bR-4S-7R-7aR-4-Isopropyl-3-7-dimethyloctahydro-1H-cyclopenta-1->

Generated by Cheméo on 2026-05-17 18:56:17.962594013 +0000 UTC m=+2809527.020676234.

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