

Hexahydrofarnesyl acetone

Other names:	6,10,14-Trimethyl-2-pentadecanone 2-Pentadecanone, 6,10,14-trimethyl- 6,10,14-Trimethylpentadecan-2-one 6,10,14-trimethylpentadecanone phytone Perhydrofarnesyl acetone 6,10,14-Trimethylpentadecan-2-one (hexahydrofarnesylacetone) (+/-)-Phytone Protein hydrolyzates, soya hydrolyzed soy protein
Inchi:	InChI=1S/C18H36O/c1-15(2)9-6-10-16(3)11-7-12-17(4)13-8-14-18(5)19/h15-17H,6-14H2
InchiKey:	WHWDWIHXSPCOKZ-UHFFFAOYSA-N
Formula:	C18H36O
SMILES:	CC(=O)CCCC(C)CCCC(C)CCCC(C)C
Mol. weight [g/mol]:	268.48
CAS:	68607-88-5

Physical Properties

Property code	Value	Unit	Source
gf	-35.56	kJ/mol	Joback Method
hf	-543.27	kJ/mol	Joback Method
hfus	33.41	kJ/mol	Joback Method
hvap	61.24	kJ/mol	Joback Method
log10ws	-5.91		Crippen Method
logp	6.015		Crippen Method
mcvol	266.050	ml/mol	McGowan Method
pc	1223.41	kPa	Joback Method
rinpol	1838.00		NIST Webbook
rinpol	1844.00		NIST Webbook
rinpol	1853.00		NIST Webbook
rinpol	1833.00		NIST Webbook
rinpol	271.30		NIST Webbook
rinpol	1822.00		NIST Webbook
rinpol	1868.81		NIST Webbook
rinpol	1848.00		NIST Webbook
rinpol	1846.00		NIST Webbook
rinpol	1817.00		NIST Webbook

rinpol	1842.00	NIST Webbook
rinpol	1858.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	271.30	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1832.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1835.00	NIST Webbook
rinpol	1850.00	NIST Webbook
rinpol	1847.00	NIST Webbook
rinpol	1835.00	NIST Webbook
rinpol	1868.00	NIST Webbook
rinpol	1835.00	NIST Webbook
rinpol	1848.00	NIST Webbook
rinpol	1860.00	NIST Webbook
rinpol	1860.00	NIST Webbook
rinpol	1851.00	NIST Webbook
rinpol	1835.00	NIST Webbook
rinpol	1835.00	NIST Webbook
rinpol	1841.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1840.00	NIST Webbook
rinpol	1847.00	NIST Webbook
rinpol	1841.00	NIST Webbook
rinpol	1828.00	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1833.00	NIST Webbook
rinpol	1850.00	NIST Webbook
rinpol	1836.00	NIST Webbook
rinpol	1833.00	NIST Webbook
rinpol	1824.00	NIST Webbook
rinpol	1833.00	NIST Webbook
rinpol	1836.00	NIST Webbook
rinpol	1823.00	NIST Webbook
rinpol	1815.00	NIST Webbook
rinpol	1813.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1829.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1849.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1823.00	NIST Webbook
rinpol	1846.00	NIST Webbook

rinpol	1846.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1823.00	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1830.00	NIST Webbook
rinpol	1847.00	NIST Webbook
rinpol	1849.00	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1815.00	NIST Webbook
rinpol	1828.00	NIST Webbook
rinpol	1823.00	NIST Webbook
rinpol	1827.00	NIST Webbook
rinpol	1841.00	NIST Webbook
rinpol	1835.00	NIST Webbook
rinpol	1847.00	NIST Webbook
rinpol	1833.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1838.00	NIST Webbook
rinpol	1827.00	NIST Webbook
rinpol	1856.00	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1847.00	NIST Webbook
rinpol	1842.00	NIST Webbook
rinpol	1838.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1847.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1850.00	NIST Webbook
rinpol	1842.00	NIST Webbook
rinpol	1858.00	NIST Webbook
rinpol	1849.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1849.00	NIST Webbook
rinpol	1842.00	NIST Webbook
rinpol	1847.00	NIST Webbook
rinpol	1845.60	NIST Webbook
rinpol	1855.00	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1817.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1843.00	NIST Webbook

rinpol	1845.00	NIST Webbook
rinpol	1835.00	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1847.90	NIST Webbook
rinpol	1848.90	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1848.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1847.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1828.00	NIST Webbook
rinpol	1850.00	NIST Webbook
rinpol	1844.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1848.00	NIST Webbook
rinpol	1855.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1848.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1868.81	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1835.00	NIST Webbook
rinpol	1822.00	NIST Webbook
rinpol	1851.00	NIST Webbook
rinpol	1848.00	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1843.00	NIST Webbook
rinpol	1848.00	NIST Webbook
rinpol	1848.00	NIST Webbook
rinpol	1847.00	NIST Webbook
rinpol	1846.00	NIST Webbook
rinpol	1841.00	NIST Webbook
rinpol	1868.00	NIST Webbook
rinpol	1845.00	NIST Webbook
rinpol	1837.00	NIST Webbook
rinpol	1836.00	NIST Webbook
rinpol	1840.00	NIST Webbook
rinpol	1842.00	NIST Webbook
rinpol	1833.00	NIST Webbook

[illegible]

[illegible]

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	759.01	J/mol×K	663.79	Joback Method
cpg	849.23	J/mol×K	808.29	Joback Method
cpg	832.90	J/mol×K	779.39	Joback Method
cpg	815.74	J/mol×K	750.49	Joback Method
cpg	797.72	J/mol×K	721.59	Joback Method
cpg	778.82	J/mol×K	692.69	Joback Method
cpg	864.76	J/mol×K	837.19	Joback Method
dvisc	0.0000989	Pa×s	663.79	Joback Method
dvisc	0.0001419	Pa×s	602.75	Joback Method
dvisc	0.0002208	Pa×s	541.71	Joback Method
dvisc	0.0003843	Pa×s	480.67	Joback Method
dvisc	0.0007862	Pa×s	419.63	Joback Method
dvisc	0.0020519	Pa×s	358.59	Joback Method
dvisc	0.0079383	Pa×s	297.55	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=C68607885&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
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/56-543-7/Hexahydrofarnesyl-acetone.pdf>

Generated by Cheméo on 2025-12-05 07:34:54.78650042 +0000 UTC m=+4668292.316541074.

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