

Naphthalene, 1,6-dimethyl-4-(1-methylethyl)-

Other names:	Naphthalene, 4-isopropyl-1,6-dimethyl- Cadalene Cadalin 4-Isopropyl-1,6-dimethylnaphthalene 1,6-dimethyl-4-(1-methylethyl) naphthalene 1,6-Dimethyl-4-isopropylnaphthalene 1,6-Dimethyl-4-Isopropyl Naphthalene
Inchi:	InChI=1S/C15H18/c1-10(2)13-8-6-12(4)14-7-5-11(3)9-15(13)14/h5-10H,1-4H3
InchiKey:	VMOJIHDTVZTGDO-UHFFFAOYSA-N
Formula:	C15H18
SMILES:	<chem>Cc1ccc2c(C)ccc(C(C)C)c2c1</chem>
Mol. weight [g/mol]:	198.30
CAS:	483-78-3

Physical Properties

Property code	Value	Unit	Source
chs	-8340.40 ± 4.20	kJ/mol	NIST Webbook
gf	263.15	kJ/mol	Joback Method
hf	34.98	kJ/mol	Joback Method
hfus	20.98	kJ/mol	Joback Method
hvap	54.50	kJ/mol	Joback Method
log10ws	-5.41		Crippen Method
logp	4.580		Crippen Method
mcvol	178.990	ml/mol	McGowan Method
pc	2227.09	kPa	Joback Method
rinpol	1675.00		NIST Webbook
rinpol	1652.00		NIST Webbook
rinpol	1674.00		NIST Webbook
rinpol	1653.00		NIST Webbook
rinpol	1671.00		NIST Webbook
rinpol	1674.00		NIST Webbook
rinpol	1662.00		NIST Webbook
rinpol	1682.00		NIST Webbook
rinpol	1674.00		NIST Webbook
rinpol	1675.00		NIST Webbook
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tbrp	564.70	K	96.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C483783&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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

Legend

chs:	Standard solid enthalpy of combustion
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
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature

tf: Normal melting (fusion) point

vc: Critical Volume

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