

Naphthalene, 1,2,3,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)- (1S-cis)-

Other names:

Cadina-1(10),4-diene

«delta»-Cadinene, (+)-

(+)-«delta»-Cadinene

«delta»-Cadinene

[1S,cis]-Naphthalene,1,2,3,5,6,8a-hexahydro-4,7-dimethyl-1-[1-methylethyl]

(1S,8aR)-1-Isopropyl-4,7-dimethyl-1,2,3,5,6,8a-hexahydronaphthalene

Inchi: InChI=1S/C15H24/c1-10(2)13-8-6-12(4)14-7-5-11(3)9-15(13)14/h9-10,13,15H,5-8H2,1-4

InchiKey: FUCYIEXQVQJBKY-HIFRSBDPSA-N

Formula: C15H24

SMILES: CC1=CC2C(=C(C)CCC2C(C)C)CC1

Mol. weight [g/mol]: 204.35

CAS: 483-76-1

Physical Properties

Property code	Value	Unit	Source
gf	177.11	kJ/mol	Joback Method
hf	-156.10	kJ/mol	Joback Method
hfus	20.23	kJ/mol	Joback Method
hvap	51.68	kJ/mol	Joback Method
log10ws	-4.87		Crippen Method
logp	4.725		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
pc	1952.68	kPa	Joback Method
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Property code	Value	Unit	Temperature [K]	Source
cpg	503.23	J/molxK	585.98	Joback Method
cpg	525.21	J/molxK	622.06	Joback Method
cpg	545.92	J/molxK	658.13	Joback Method
cpg	565.40	J/molxK	694.21	Joback Method
cpg	583.72	J/molxK	730.28	Joback Method
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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

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