1H-3«alpha»,7-Methanoazulene,2,3,4,7,8,8«alpha»

Other names: 1H-3a,7-Methanoazulene,2,3,4,7,8,8a -hexahydro-3,6,8,8-tetramethyl-
Inchi: InChI=1S/C15H24/c1-10-7-8-15-9-12(10)14(3,4)13(15)6-5-11(15)2/h7,11-13H,5-6,8-9H2
InchiKey: IRAQOCYXUMOFCW-UHFFFAOYSA-N
Formula: C15H24
SMILES: CC1=CCC23CC1C(C)(C)C2CCC3C
Mol. weight [g/mol]: 204.35

Physical Properties

Property code	Value	Unit	Source
hfus	15.19	kJ/mol	Joback Method
logp	4.415		Crippen Method
mcvol	185.330	ml/mol	McGowan Method
rinpol	1427.70		NIST Webbook
rinpol	1427.70		NIST Webbook
tf	288.10	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	503.55	J/mol×K	566.64	Joback Method
cpg	526.55	J/mol×K	604.23	Joback Method
cpg	547.97	J/mol×K	641.82	Joback Method
cpg	568.10	J/mol×K	679.41	Joback Method
cpg	587.25	J/mol×K	716.99	Joback Method
cpg	605.70	J/mol×K	754.58	Joback Method
cpg	623.74	J/mol×K	792.17	Joback Method

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R413902&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.chemeo.com/doc/models/crippen_log10ws

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tf:	Normal melting (fusion) point