

Cadina-«alpha»-4,10(14)-dien-1«alpha»-ol

Other names:	Cadina-4,10(14)-dien-1«alpha»-ol
Inchi:	InChI=1S/C15H24O/c1-10(2)13-6-5-12(4)15(16)8-7-11(3)9-14(13)15/h9-10,13-14,16H,4-
InchiKey:	URABJKMBRKSXSG-ZHDDOTHNSA-N
Formula:	C15H24O
SMILES:	C=C1CCC(C(C)C)C2C=C(C)CCC12O
Mol. weight [g/mol]:	220.35

Physical Properties

Property code	Value	Unit	Source
hfus	17.49	kJ/mol	Joback Method
logp	3.696		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
rinpol	1663.00		NIST Webbook
ripol	2247.00		NIST Webbook
ripol	2247.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	572.06	J/mol×K	663.77	Joback Method
cpg	590.64	J/mol×K	698.22	Joback Method
cpg	608.29	J/mol×K	732.68	Joback Method
cpg	625.13	J/mol×K	767.13	Joback Method
cpg	641.29	J/mol×K	801.59	Joback Method
cpg	656.87	J/mol×K	836.04	Joback Method
cpg	671.99	J/mol×K	870.50	Joback Method

Sources

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
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R427560&Units=SI>

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
ripol: Polar retention indices

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