

(Z)-«gamma»-Curcumen-12-ol

Inchi:	InChI=1S/C15H24O/c1-12-7-9-15(10-8-12)14(3)6-4-5-13(2)11-16/h5,7,9,14,16H,4,6,8,10
InchiKey:	YQJDEISISMGJAB-ACAGNQJ TSA-N
Formula:	C15H24O
SMILES:	CC(=CCCC(C)C1=CC=C(C)CC1)CO
Mol. weight [g/mol]:	220.35

Physical Properties

Property code	Value	Unit	Source
gf	80.65	kJ/mol	Joback Method
hf	-235.73	kJ/mol	Joback Method
hfus	26.49	kJ/mol	Joback Method
hvap	67.96	kJ/mol	Joback Method
log10ws	-4.58		Crippen Method
logp	4.008		Crippen Method
mcvol	204.320	ml/mol	McGowan Method
pc	2027.23	kPa	Joback Method
rinsol	1711.00		NIST Webbook
tb	670.88	K	Joback Method
tc	865.17	K	Joback Method
tf	323.77	K	Joback Method
vc	0.775	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	562.11	J/mol×K	670.88	Joback Method
cpg	578.29	J/mol×K	703.26	Joback Method
cpg	593.59	J/mol×K	735.64	Joback Method
cpg	608.05	J/mol×K	768.02	Joback Method
cpg	621.72	J/mol×K	800.40	Joback Method
cpg	634.65	J/mol×K	832.79	Joback Method
cpg	646.88	J/mol×K	865.17	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=R233251&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvac:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mccol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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