

Eudesma-4(15),7-dien-1 «beta»-ol

Other names:

Eudesma-4(15),7-dien-1-b-ol
Eudesma-4(15)-7-diene-1-«beta»-ol
«beta»-Eudesma-4(15), 7-dien-1-ol
Eudesma-4(14),7-dien-1 «beta»-ol

Inchi:

InChI=1S/C15H24O/c1-10(2)12-7-8-15(4)13(9-12)11(3)5-6-14(15)16/h7,10,13-14,16H,3,

InchiKey:

FGPDTARJOXRWJD-UHFFFAOYSA-N

Formula:

C15H24O

SMILES:

C=C1CCC(O)C2(C)CC=C(C(C)C)CC12

Mol. weight [g/mol]:

220.35

CAS:

119120-23-9

Physical Properties

Property code	Value	Unit	Source
gf	69.47	kJ/mol	Joback Method
hf	-264.03	kJ/mol	Joback Method
hfus	17.49	kJ/mol	Joback Method
hvap	65.44	kJ/mol	Joback Method
log10ws	-4.25		Crippen Method
logp	3.696		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
pc	2171.40	kPa	Joback Method
rinpol	1688.00		NIST Webbook
rinpol	1691.00		NIST Webbook
rinpol	1671.00		NIST Webbook
rinpol	1681.00		NIST Webbook
rinpol	1684.00		NIST Webbook
rinpol	1690.00		NIST Webbook
rinpol	1674.00		NIST Webbook
rinpol	1694.00		NIST Webbook
rinpol	1671.00		NIST Webbook
rinpol	1689.00		NIST Webbook
rinpol	1691.00		NIST Webbook
rinpol	1690.00		NIST Webbook
rinpol	1686.00		NIST Webbook
rinpol	1688.00		NIST Webbook
rinpol	1690.00		NIST Webbook
rinpol	1680.00		NIST Webbook

rinpol	1688.00		NIST Webbook
rinpol	1673.00		NIST Webbook
rinpol	1680.00		NIST Webbook
rinpol	1672.00		NIST Webbook
rinpol	1683.00		NIST Webbook
rinpol	1688.00		NIST Webbook
rinpol	1671.00		NIST Webbook
rinpol	1728.00		NIST Webbook
rinpol	1688.00		NIST Webbook
rinpol	1688.00		NIST Webbook
rinpol	1688.00		NIST Webbook
rinpol	1681.00		NIST Webbook
rinpol	1672.00		NIST Webbook
rinpol	1688.00		NIST Webbook
rinpol	1670.00		NIST Webbook
rinpol	1688.00		NIST Webbook
rinpol	1685.00		NIST Webbook
rinpol	1685.00		NIST Webbook
rinpol	1685.00		NIST Webbook
rinpol	1685.00		NIST Webbook
rinpol	1685.00		NIST Webbook
rinpol	1685.00		NIST Webbook
rinpol	1690.00		NIST Webbook
ripol	2370.00		NIST Webbook
ripol	2385.00		NIST Webbook
ripol	2351.00		NIST Webbook
ripol	2370.00		NIST Webbook
ripol	2351.00		NIST Webbook
ripol	2333.00		NIST Webbook
ripol	2369.00		NIST Webbook
ripol	2385.00		NIST Webbook
ripol	2402.00		NIST Webbook
ripol	2402.00		NIST Webbook
ripol	2369.00		NIST Webbook
tb	663.77	K	Joback Method
tc	870.50	K	Joback Method
tf	373.05	K	Joback Method
vc	0.738	m ³ /kmol	Joback Method

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

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C119120239&Units=SI

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
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

Latest version available from:

<https://www.chemeo.com/cid/71-394-6/Eudesma-4-15-7-dien-1-beta-ol.pdf>

Generated by Cheméo on 2024-04-18 16:10:46.767400254 +0000 UTC m=+15745895.687977566.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.