

D-Alanine, N-neopentylloxycarbonyl-, hexadecyl ester

Inchi: InChI=1S/C25H49NO4/c1-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-29-23(27)22(2)26-25
InchiKey: AQCYZABOWPRUCF-UHFFFAOYSA-N
Formula: C25H49NO4
SMILES: CCCCCCCCCCCCCCCCCOC(=O)C(C)N=C(O)OCC(C)(C)C
Mol. weight [g/mol]: 427.66

Physical Properties

Property code	Value	Unit	Source
hf	-1030.18	kJ/mol	Joback Method
hvap	101.20	kJ/mol	Joback Method
log10ws	-7.59		Crippen Method
logp	7.376		Crippen Method
mcvol	387.970	ml/mol	McGowan Method
pc	784.63	kPa	Joback Method
rinpol	2800.00		NIST Webbook
rinpol	2800.00		NIST Webbook
tb	1035.18	K	Joback Method
tc	1281.94	K	Joback Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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=U347774&Units=SI>

Legend

hf: Enthalpy of formation 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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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