

Benzamide, 3,4-dimethoxy-N-tetradecyl-

Inchi: InChI=1S/C23H39NO3/c1-4-5-6-7-8-9-10-11-12-13-14-15-18-24-23(25)20-16-17-21(26-27)22
InchiKey: YURVRTRQQSWGMM-UHFFFAOYSA-N
Formula: C23H39NO3
SMILES: CCCCCCCCCCCCCCN=C(O)c1ccc(OC)c(OC)c1
Mol. weight [g/mol]: 377.56

Physical Properties

Property code	Value	Unit	Source
hf	-648.70	kJ/mol	Joback Method
hvap	95.28	kJ/mol	Joback Method
log10ws	-7.04		Crippen Method
logp	6.710		Crippen Method
mcvol	334.460	ml/mol	McGowan Method
pc	997.02	kPa	Joback Method
rinpol	3180.00		NIST Webbook
rinpol	3180.00		NIST Webbook
tb	975.86	K	Joback Method
tc	1195.20	K	Joback Method

Sources

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=U408014&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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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