Benzamide, 3,4-dimethoxy-N-dodecyl-

Inchi: InChI=1S/C21H35NO3/c1-4-5-6-7-8-9-10-11-12-13-16-22-21(23)18-14-15-19(24-2)20(17
InchiKey: AOJDDHRWDUBGPM-UHFFFAOYSA-N
Formula: C21H35NO3
SMILES: CCCCCCCCCCCCN=C(O)c1ccc(OC)c(OC)c1
Mol. weight [g/mol]: 349.51

Physical Properties

Property code	Value	Unit	Source
hf	-607.42	kJ/mol	Joback Method
hvap	90.83	kJ/mol	Joback Method
log10ws	-6.20		Crippen Method
logp	5.929		Crippen Method
mcvol	306.280	ml/mol	McGowan Method
pc	1129.86	kPa	Joback Method
rinpol	2976.00		NIST Webbook
rinpol	2976.00		NIST Webbook
tb	930.10	K	Joback Method
tc	1139.26	K	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=U408013&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