Benzamide, 3,4-dimethoxy-N-undecyl-

Inchi: InChI=1S/C20H33NO3/c1-4-5-6-7-8-9-10-11-12-15-21-20(22)17-13-14-18(23-2)19(16-17
InchiKey: PXZAZXFPGZJKNU-UHFFFAOYSA-N
Formula: C20H33NO3
SMILES: CCCCCCCCCCCN=C(O)c1ccc(OC)c(OC)c1
Mol. weight [g/mol]: 335.48

Physical Properties

Property code	Value	Unit	Source
hf	-586.78	kJ/mol	Joback Method
hvap	88.61	kJ/mol	Joback Method
log10ws	-5.78		Crippen Method
logp	5.539		Crippen Method
mcvol	292.190	ml/mol	McGowan Method
pc	1206.47	kPa	Joback Method
rinpol	2876.00		NIST Webbook
rinpol	2876.00		NIST Webbook
tb	907.22	K	Joback Method
tc	1112.74	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=U408012&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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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