Benzamide, 3-methoxy-N-decyl-

Inchi: InChI=1S/C18H29NO2/c1-3-4-5-6-7-8-9-10-14-19-18(20)16-12-11-13-17(15-16)21-2/h11
InchiKey: ISIFBYCQBLWALK-UHFFFAOYSA-N
Formula: C18H29NO2
SMILES: CCCCCCCCCCN=C(O)c1cccc(OC)c1
Mol. weight [g/mol]: 291.43

Physical Properties

Property code	Value	Unit	Source
hf	-401.81	kJ/mol	Joback Method
hvap	81.08	kJ/mol	Joback Method
log10ws	-5.25		Crippen Method
logp	5.141		Crippen Method
mcvol	258.140	ml/mol	McGowan Method
pc	1418.64	kPa	Joback Method
rinpol	2545.00		NIST Webbook
rinpol	2545.00		NIST Webbook
tb	834.06	K	Joback Method
tc	1032.46	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=U407518&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