Benzamide, 3,4-dimethoxy-N-methyl-

Inchi: InChI=1S/C10H13NO3/c1-11-10(12)7-4-5-8(13-2)9(6-7)14-3/h4-6H,1-3H3,(H,11,12)
InchiKey: GFQRPXMWTUUBTN-UHFFFAOYSA-N
Formula: C10H13NO3
SMILES: CN=C(O)c1ccc(OC)c(OC)c1
Mol. weight [g/mol]: 195.22

Physical Properties

Property code	Value	Unit	Source
hf	-380.38	kJ/mol	Joback Method
hvap	66.35	kJ/mol	Joback Method
log10ws	-1.60		Crippen Method
logp	1.638		Crippen Method
mcvol	151.290	ml/mol	McGowan Method
pc	2715.50	kPa	Joback Method
rinpol	1918.00		NIST Webbook
rinpol	1918.00		NIST Webbook
tb	678.42	K	Joback Method
tc	886.92	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=U407998&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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