Acetamide, N-(2,5-dimethoxyphenyl)-

Other names:	Acetanilide, 2',5'-dimethoxy- 2,5-Dimethoxyacetanilide 2',5'-Dimethoxyacetanilide N-(2,5-dimethoxyphenyl)acetamide
Inchi:	InChI=1S/C10H13NO3/c1-7(12)11-9-6-8(13-2)4-5-10(9)14-3/h4-6H,1-3H3,(H,11,12)
InchiKey:	HOZRMSVNIKYCMB-UHFFFAOYSA-N
Formula:	C10H13NO3
SMILES:	COc1ccc(OC)c(N=C(C)O)c1
Mol. weight [g/mol]:	195.22
CAS:	3467-59-2

Physical Properties

Property code	Value	Unit	Source
hf	-380.38	kJ/mol	Joback Method
hvap	66.35	kJ/mol	Joback Method
log10ws	-2.10		Crippen Method
logp	2.312		Crippen Method
mcvol	151.290	ml/mol	McGowan Method
pc	2715.50	kPa	Joback Method
rinpol	1671.00		NIST Webbook
rinpol	1671.00		NIST Webbook
tb	678.42	K	Joback Method
tc	886.92	K	Joback Method

Sources

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=C3467592&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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