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

Inchi: InChI=1S/C11H15NO4/c1-14-7-11(13)12-9-6-8(15-2)4-5-10(9)16-3/h4-6H,7H2,1-3H3,(H,

InchiKey: CJSLYAZJCWETED-UHFFFAOYSA-N

Formula: C11H15NO4

SMILES: COCC(O)=Nc1cc(OC)ccc1OC

Mol. weight [g/mol]: 225.24

Physical Properties

Property code	Value	Unit	Source
hf	-533.24	kJ/mol	Joback Method
hvap	70.98	kJ/mol	Joback Method
log10ws	-1.60		Crippen Method
logp	1.938		Crippen Method
mcvol	171.250	ml/mol	McGowan Method
pc	2421.88	kPa	Joback Method
rinpol	1833.00		NIST Webbook
rinpol	1833.00		NIST Webbook
tb	723.72	K	Joback Method
tc	927.96	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U307261&Units=SI

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

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