Benzylidenimine, -2,4-dimethoxy-n-methyl-

Inchi: InChI=1S/C10H13NO2/c1-11-7-8-4-5-9(12-2)6-10(8)13-3/h4-7H,1-3H3
InchiKey: SPJUMWVQDOLAGD-UHFFFAOYSA-N
Formula: C10H13NO2
SMILES: CN=Cc1ccc(OC)cc1OC
Mol. weight [g/mol]: 179.22
CAS: 116373-09-2

Physical Properties

Property code	Value	Unit	Source
hf	-218.36	kJ/mol	Joback Method
hvap	49.59	kJ/mol	Joback Method
log10ws	-1.78		Crippen Method
logp	1.752		Crippen Method
mcvol	145.420	ml/mol	McGowan Method
pc	2460.47	kPa	Joback Method
tb	586.36	K	Joback Method
tc	807.23	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=C116373092&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature