Benzenamine, N,N'-1,2-ethanediylidenebis[4-methoxy-

Other names: Benzenamine, N,N'-1,2-ethanediylidenebis*4-methoxy-
N,N'-Ethanediylidenebis[4-methoxybenzenamine]

Inchi: InChI=1S/C16H16N2O2/c1-19-15-7-3-13(4-8-15)17-11-12-18-14-5-9-16(20-2)10-6-14/h3

InchiKey: IRMGPOUTEGABKC-UHFFFAOYSA-N

Formula: C16H16N2O2

SMILES: COc1ccc(N=CC=Nc2ccc(OC)cc2)cc1

Mol. weight [g/mol]: 268.31

CAS: 24764-91-8

Physical Properties

Property code	Value	Unit	Source
hf	-23.45	kJ/mol	Joback Method
hvap	68.53	kJ/mol	Joback Method
ie	7.10	eV	NIST Webbook
ie	7.75	eV	NIST Webbook
log10ws	-3.66		Crippen Method
logp	3.809		Crippen Method
mcvol	211.880	ml/mol	McGowan Method
pc	1786.37	kPa	Joback Method
tb	827.00	K	Joback Method
tc	1076.93	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=C24764918&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
ie:	Ionization energy
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