2-Methoxy-4-(o-methoxyphenylazo)aniline

Inchi: InChI=1S/C14H15N3O2/c1-18-13-6-4-3-5-12(13)17-16-10-7-8-11(15)14(9-10)19-2/h3-9H
InchiKey: UCLACBHPELKCCX-WUKNDPDISA-N
Formula: C14H15N3O2
SMILES: COc1cc(N=Nc2ccccc2OC)ccc1N
Mol. weight [g/mol]: 257.29
CAS: 2615-05-6

Physical Properties

Property code	Value	Unit	Source
hf	-77.07	kJ/mol	Joback Method
hvap	75.43	kJ/mol	Joback Method
log10ws	-3.39		Crippen Method
logp	3.701		Crippen Method
mcvol	197.980	ml/mol	McGowan Method
pc	2096.50	kPa	Joback Method
tb	854.59	K	Joback Method
tc	1109.95	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=C2615056&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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