

N-(m-nitrobenzylidene)aniline

Inchi: InChI=1S/C13H10N2O2/c16-15(17)13-8-4-5-11(9-13)10-14-12-6-2-1-3-7-12/h1-10H/b14-15
InchiKey: FJAUVLILDZGNSX-GXDHUFHOSA-N
Formula: C13H10N2O2
SMILES: O=[N+](O-)c1cccc(C=Nc2ccccc2)c1
Mol. weight [g/mol]: 226.23
CAS: 5676-82-4

Physical Properties

Property code	Value	Unit	Source
hf	221.40	kJ/mol	Joback Method
hvap	69.65	kJ/mol	Joback Method
log10ws	-3.99		Crippen Method
logp	3.345		Crippen Method
mcvol	169.610	ml/mol	McGowan Method
pc	2735.42	kPa	Joback Method
tb	783.70	K	Joback Method
tc	1064.35	K	Joback Method

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C5676824&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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>

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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