Benzenamine, N-[(2-nitrophenyl)methylene]-

Other names:	Aniline, N-(o-nitrobenzylidene)-
	N-(o-Nitrobenzylidene)aniline
	N-(2-nitrobenzylidene)aniline
Inchi:	InChI=1S/C13H10N2O2/c16-15(17)13-9-5-4-6-11(13)10-14-12-7-2-1-3-8-12/h1-10H
InchiKey:	BBAZSPGQKPGVIJ-UHFFFAOYSA-N
Formula:	C13H10N2O2
SMILES:	O=[N+]([O-])c1ccccc1C=Nc1ccccc1
Mol. weight [g/mol]:	226.23
CAS:	17064-77-6

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

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=C17064776&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