Benzenemethanamine, N-nitroso-N-(phenylmethyl)-

Other names: Dibenzylamine, N-nitroso-
Dibenzylnitrosamine
N-Nitrosodibenzylamine
Dibenzylnitrosamin
N,N-Dibenzylnitrosamine

Inchi: InChI=1S/C14H14N2O/c17-15-16(11-13-7-3-1-4-8-13)12-14-9-5-2-6-10-14/h1-10H,11-12

InchiKey: RZJLAUZAMYYGMS-UHFFFAOYSA-N

Formula: C14H14N2O

SMILES: O=NN(Cc1ccccc1)Cc1ccccc1

Mol. weight [g/mol]: 226.27

CAS: 5336-53-8

Physical Properties

Property code	Value	Unit	Source
hf	40.11	kJ/mol	Joback Method
hvap	62.45	kJ/mol	Joback Method
log10ws	-4.63		Crippen Method
logp	3.370		Crippen Method
mcvol	182.130	ml/mol	McGowan Method
pc	2712.67	kPa	Joback Method
tb	648.92	K	Joback Method
tc	877.09	K	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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=C5336538&Units=SI

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