

1-Benzhydryl piperazine

Other names: 1-(Diphenylmethyl)piperazine
1-Benzhydrylpiperazine
4-Benzhydrylpiperazine
Diphenylmethylpiperazine
N-(Diphenylmethyl)piperazine
N-Benzhydrylpiperazine
NSC 35536
Norcyclizine
Normethylcyclizine

Inchi: Piperazine, 1-(diphenylmethyl)-

InchiKey: InChI=1S/C17H20N2/c1-3-7-15(8-4-1)17(16-9-5-2-6-10-16)19-13-11-18-12-14-19/h1-10,

Formula: NWVNXDKZIQLBNM-UHFFFAOYSA-N

SMILES: C17H20N2

SMILES: c1ccc(C(c2ccccc2)N2CCNCC2)cc1

Mol. weight [g/mol]: 252.36

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.83		Cheméo Relay (1.0)
logp	2.681		Crippen Method
mcvol	211.970	ml/mol	McGowan Method
tb	635.28	K	Cheméo Relay (1.0)
tf	351.28	K	Cheméo Relay (1.0)

Sources

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

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C841770&Units=SI>

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

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