

Dimethametryn

Other names:

1,3,5-Triazine-2,4-diamine, N-(1,2-dimethylpropyl)-N'-ethyl-6-(methylthio)-s-Triazine, 2-((1,2-dimethylpropyl)amino)-4-ethylamino-6-methylthio-2-((1,2-Dimethylpropyl)amino)-4-(ethylamino)-6-(methylthio)-s-triazine 2-(Methylthio)-4-(ethylamino)-6-((1,2-dimethylpropyl)amino)-s-triazine 4-(1,2-Dimethylpropylamino)-2-ethylamino-6-methylthiotriazine
Belclene 310
C 18898
CG 7103
Dimethameterin

Inchi:

InChI=1S/C11H21N5S/c1-6-12-9-14-10(13-8(4)7(2)3)16-11(15-9)17-5/h7-8H,6H2,1-5H3,

InchiKey:

IKYICRRUVNIHPP-UHFFFAOYSA-N

Formula:

C11H21N5S

SMILES:

CCNc1nc(NC(C)C(C)C)nc(SC)n1

Mol. weight [g/mol]:

255.38

CAS:

22936-75-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.49		Crippen Method
logp	2.482		Crippen Method
mcvol	208.340	ml/mol	McGowan Method
rinpol	2056.00		NIST Webbook
rinpol	2059.00		NIST Webbook
rinpol	2056.00		NIST Webbook
rinpol	2056.00		NIST Webbook
rinpol	2060.00		NIST Webbook
rinpol	2059.00		NIST Webbook

Sources

Crippen Method:

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

Crippen Method:

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

McGowan Method:

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

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C22936750&Units=SI>

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices

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