

DIMETHYLOL ETHYLENE UREA

Other names:	2-Imidazolidinone, 1,3-bis(hydroxymethyl)- Aerotex Reactant No. 100 BT 324 Calaroc EU Carbamol TsEM Cassurit RI Cyclic dimethylolethyleneurea Dimethylol cyclic ethyleneurea Dimethylolcycloethyleneurea Fixapret AH Karbamol TsEM Kurbamol TsEM N,N'-Bis(hydroxymethyl)ethyleneurea N,N'-Dimethylol-N,N'-ethyleneurea N,N'-Dimethylolethyleneurea Neuperm ON Prym E Quecodur AE Rhonite R 1 Silesian EM Verapret AN Zeset S 1,3-Bis(hydroxymethyl)-2-imidazolidinone 1,3-Dihydroxymethyl-2-imidazolidone 1,3-Dimethylol-2-imidazolidinone 1,3-Dimethylolethyleneurea NSC 57546 1,3-bis(hydroxymethyl)imidazolidin-2-one
Inchi:	InChI=1S/C5H10N2O3/c8-3-6-1-2-7(4-9)5(6)10/h8-9H,1-4H2
InchiKey:	WVJOGYWVNTSAU-UHFFFAOYSA-N
Formula:	C5H10N2O3
SMILES:	O=C1N(CO)CCN1CO
Mol. weight [g/mol]:	146.15

Physical Properties

Property code	Value	Unit	Source
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logp	-1.376		Crippen Method
mcvol	103.720	ml/mol	McGowan Method

Sources

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=C136845&Units=SI
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I

Legend

logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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<https://www.chemeo.com/cid/120-054-8/DIMETHYLOL-ETHYLENE-UREA.pdf>

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