1,3-Dimethyl-3,4,5,6-tetrahydro-2(1H)-pyrimidinon

Other names: 1,3-Dimethyl-tetrahydro-2(1H)-pyrimidone

1,3-Dimethyltetrahydro-2(1H)-pyrimidinone

1,3-dimethylpropyleneurea

2(1H)-Pyrimidinone, tetrahydro-1,3-dimethyl-

2(1H)-pryminidone, 3,4,5,6-tetrahydro-1,3-dimethyl-

N,N'-Dimethyltrimethyleneurea

Tetrahydro-1,3-dimethyl-2(1H)pyrimidin-2-onee tetrahydro-1,3-dimethyl-1H-pyrimidin-2-one

Inchi: InChl=1S/C6H12N2O/c1-7-4-3-5-8(2)6(7)9/h3-5H2,1-2H3

InchiKey: GUVUOGQBMYCBQP-UHFFFAOYSA-N

Formula: C6H12N2O

SMILES: CN1CCCN(C)C1=O

Mol. weight [g/mol]: 128.17 CAS: 7226-23-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.12		Crippen Method
logp	0.374		Crippen Method
mcvol	106.070	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
rhol	1076.18	kg/m3	278.15 1,3-c	Volume-related interaction parameters for dilute solutions of dimethylpropylened in normal and heavy water between 278.15 K and 318.15 K

rhol	1067.81	kg/m3	288.15 Volume-related interaction parameters for dilute solutions of 1,3-dimethylpropyleneurea in normal and heavy water between 278.15 K and 318.15 K
rhol	1059.46	kg/m3	298.15 Volume-related interaction parameters for dilute solutions of 1,3-dimethylpropyleneurea in normal and heavy water between 278.15 K and 318.15 K
rhol	1051.12	kg/m3	308.15 Volume-related interaction parameters for dilute solutions of 1,3-dimethylpropyleneurea in normal and heavy water between 278.15 K and 318.15 K
rhol	1046.95	kg/m3	313.15 Volume-related interaction parameters for dilute solutions of 1,3-dimethylpropyleneurea in normal and heavy water between 278.15 K and 318.15 K
rhol	1042.78	kg/m3	318.15 Volume-related interaction parameters for dilute solutions of 1,3-dimethylpropyleneurea in normal and heavy water between 278.15 K and 318.15 K
rhol	1065.00	kg/m3	293.15 Investigation of the Solubilities of Carbon Dioxide in Some Low Volatile Solvents and Their Thermodynamic Properties

Sources

Solubility and thermodynamic

properties of SO2 in three low volatile religible of the re

Properties: NIST Webbook:

Crippen Method:

Crippen Method:

https://www.doi.org/10.1016/j.jct.2016.05.004

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

http://webbook.nist.gov/cgi/cbook.cgi?ID=C7226235&Units=SI

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

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

Legend

log10ws: Log10 of Water solubility in mol/l logp: Octanol/Water partition coefficient McGowan's characteristic volume mcvol:

rhol: Liquid Density

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