Urea, 1-(2-hydroxyethyl)-3-(1,2,3,4-tetrahydro-2,4-dioxo-

Inchi: InChI=1S/C7H10N4O4/c12-2-1-8-6(14)10-4-3-9-7(15)11-5(4)13/h3,12H,1-2H2,(H2,8,10,1

InchiKey: DPOYSQXPLGHMLR-UHFFFAOYSA-N

Formula: C7H10N4O4

SMILES: O=C(NCCO)Nc1c[nH]c(=O)[nH]c1=O

Mol. weight [g/mol]: 214.18

CAS: 89897-57-4

Physical Properties

Property code	Value	Unit	Source
log10ws	1.19		Crippen Method
logp	-2.787		Crippen Method
mcvol	144.830	ml/mol	McGowan Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C89897574&Units=SI

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

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

Latest version available from:
https://www.chemeo.com/cid/50-110-3/Urea-1-2-hydroxyethyl-3-1-2-3-4-tetrahydro-2-4-dioxo-5-pyrimidinyl.pdf
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