

Uracil, 5-(methoxymethyl)-1,3-dimethyl-

Other names:	5-(Methoxymethyl)-1,3-dimethyl-2,4(1H,3H)-pyrimidinedione
Inchi:	InChI=1S/C8H12N2O3/c1-9-4-6(5-13-3)7(11)10(2)8(9)12/h4H,5H2,1-3H3
InchiKey:	KAOMKKGEEAIGEC-UHFFFAOYSA-N
Formula:	C8H12N2O3
SMILES:	<chem>COCc1cn(C)c(=O)n(C)c1=O</chem>
Mol. weight [g/mol]:	184.19
CAS:	14181-47-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.28		Crippen Method
logp	-0.770		Crippen Method
mcvol	137.390	ml/mol	McGowan Method
rinpola	1634.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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=C14181476&Units=SI

Legend

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

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