

1,3,5-triazine-2,4,6(1H,3H,5H)-trione trihydrazone

Other names:	Cyanuric trihydrazide
Inchi:	InChI=1S/C3H9N9/c4-10-1-7-2(11-5)9-3(8-1)12-6/h4-6H2,(H3,7,8,9,10,11,12)
InchiKey:	CZGWDPMDAIPURF-UHFFFAOYSA-N
Formula:	C3H9N9
SMILES:	NNc1nc(NN)nc(NN)n1
Mol. weight [g/mol]:	171.16
CAS:	10105-42-7

Physical Properties

Property code	Value	Unit	Source
chs	-2618.32	kJ/mol	NIST Webbook
log10ws	-0.81		Crippen Method
logp	-2.272		Crippen Method
mcvol	119.190	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10105427&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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