hexamethylolmelamine

Other names:	((1,3,5-triazine-2,4,6-triyl)tris(azanetriyl))hexamethanol
	1,1',1",1'",1"",1""-(1,3,5-triazine-2,4,6-triyltrinitrilo)hexakismethanol
	2,4,6-tris(di(hydroxymethyl)amino)-1,3,5-triazine
	hexa(hydroxymethyl)melamine
Inchi:	InChI=1S/C9H18N6O6/c16-1-13(2-17)7-10-8(14(3-18)4-19)12-9(11-7)15(5-20)6-21/h16-2
InchiKey:	YGCOKJWKWLYHTG-UHFFFAOYSA-N
Formula:	C9H18N6O6
SMILES:	OCN(CO)c1nc(N(CO)CO)nc(N(CO)CO)n1
Mol. weight [g/mol]:	306.28

Physical Properties

Property code	Value	Unit	Source
log10ws	0.96		Crippen Method
logp	-4.010		Crippen Method
mcvol	209.010	ml/mol	McGowan Method
tf	426.15	K	Excellent hydroxyl and nitrogen rich groups-containing tung-oil-based Ca/ Zn and polyol stabilizers for enhanced thermal stability of PVC

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Excellent hydroxyl and nitrogen rich groups-containing tung-oil-based Ca/ Zn and polyol stabilizers for enhanced thermal stability of PVC:	https://www.doi.org/10.1016/j.tca.2017.10.008

Legend

log10ws:	Log10 of Water solubility in mol/l

logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point