Spermidine, N,N',N''-tris(pentafluoropropionyl)-

Other names: 2,2,3,3,3-Pentafluoro-N-(4-[(2,2,3,3,3-pentafluoropropanoyl)amino]butyl)-N-(3-[(2,2,3,3,3-

Inchi: InChI=1S/C16H16F15N3O3/c17-11(18,14(23,24)25)8(35)32-4-1-2-6-34(10(37)13(21,22)

InchiKey: GFDNBHOLOFEQME-UHFFFAOYSA-N

Formula: C16H16F15N3O3

SMILES: O=C(N(CCCCN=C(O)C(F)(F)C(F)(F)F)CCCN=C(O)C(F)(F)C(F)(F)F)C(F)(F)C(F)(F)F

Mol. weight [g/mol]: 583.29

CAS: 71387-77-4

Physical Properties

Property code	Value	Unit	Source
hf	-3572.37	kJ/mol	Joback Method
hvap	80.11	kJ/mol	Joback Method
log10ws	-5.76		Crippen Method
logp	5.491		Crippen Method
mcvol	297.500	ml/mol	McGowan Method
pc	935.20	kPa	Joback Method
rinpol	1868.20		NIST Webbook
rinpol	1868.20		NIST Webbook
tb	938.94	K	Joback Method
tc	1175.36	K	Joback Method

Sources

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

Joback Method: https://en.wikipedia.org/wiki/Joback_method

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C71387774&Units=SI

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

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature