Methamphetamine, TPC derivative

Other names:	N-[N-(Trifluoroacetyl)prolyl]methamphetamine
	Methamphetamine, N-(N-trifluoroacetyl-l-prolyl)-
	N-Methyl-N-(1-methyl-2-phenylethyl)-1-(trifluoroacetyl)-2-pyrrolidinecarboxamide, (R,2S)-
	l-Prolyl-d-methamphetamine, N-TFA
	(+)-Methamphetamine TFAP
	(S)-Methylamphetamine TFAP
	l-Prolyl-l-methamphetamine, N-TFA
Inchi:	InChI=1S/C17H21F3N2O2/c1-12(11-13-7-4-3-5-8-13)21(2)15(23)14-9-6-10-22(14)16(24)
InchiKey:	XCJPRBUJGZAZPO-UHFFFAOYSA-N
Formula:	C17H21F3N2O2
SMILES:	CC(Cc1ccccc1)N(C)C(=O)C1CCCN1C(=O)C(F)(F)F
Mol. weight [g/mol]:	342.36
CAS:	21772-62-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.51		Crippen Method
logp	2.629		Crippen Method
mcvol	244.180	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C21772623&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

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