

Purine, 6-(m-fluorobenzylthio)-

Inchi:	InChI=1S/C12H9FN4S/c13-9-3-1-2-8(4-9)5-18-12-10-11(15-6-14-10)16-7-17-12/h1-4,6-7
InchiKey:	VBRFYTXQKPWMEZ-UHFFFAOYSA-N
Formula:	C12H9FN4S
SMILES:	Fc1cccc(CSc2ncnc3nc[nH]c23)c1
Mol. weight [g/mol]:	260.29
CAS:	73972-54-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.98		Crippen Method
logp	2.302		Crippen Method
mcvol	175.300	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=C73972540&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/24-480-2/Purine-6-m-fluorobenzylthio.pdf>

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