Kinetin

Other names:	1H-Purin-6-amine, N-(2-furanylmethyl)- Adenine, N-furfuryl- FAP Kinetin (plant hormone) N6-(Furfurylamino)purine N6-Furfuryladenine N-Furfuryladenine 2-Furanmethanamine, N-1H-purin-6-yl- 6-(Furfurylamino)purine 6-Furfuryladenine Furan-2-ylmethyl-(9H-purin-6-yl)-amine 6-[(Furan-2-ylmethyl)amino]-9H-purine 9H-Purin-6-amine, N-(2-furanylmethyl)- KT NSC 23119 furfuryl(purin-6-yl)amine
Inchi:	InChI=1S/C10H9N5O/c1-2-7(16-3-1)4-11-9-8-10(13-5-12-8)15-6-14-9/h1-3,5-6H,4H2,(H2
InchiKey:	QANMHLXAZMSUEX-UHFFFAOYSA-N
Formula:	C10H9N5O
SMILES:	c1coc(CNc2nc[nH]c3ncnc2-3)c1
Mol. weight [g/mol]:	215.21
CAS:	525-79-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.86		Crippen Method
logp	1.028		Crippen Method
mcvol	149.150	ml/mol	McGowan Method

Sources

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