

Floxuridine

Other names:

Uridine, 2'-deoxy-5-fluoro-
Floxuridin
FUDR
NSC 27640
2'-Deoxy-5-fluorouridine
5-Fluoro-2'-deoxyuridine
5-Fluorodeoxyuridine
5-Fluorouracil deoxyriboside
5-Fluorouracil 2'-deoxyriboside
Deoxyfluorouridine
FdUrd
Fluorodeoxyuridine
Fluoruridine deoxyribose
Ro 5-0360
1 «beta»-D-2'-Deoxyribofuranosyl-5-fluorouracil
5-FUDR
5-Fluor-1-(«beta»-2'-deoxyribofuranosyl)pyrimidin-2,4(1H,3H)-dion
«beta»-5-Fluoro-2'-deoxyuridine
1-(2-Deoxy-«beta»-D-ribofuranosyl)-5-fluorouracil
NSC-26740

Inchi:

InChI=1S/C9H11FN2O5/c10-4-2-12(9(16)11-8(4)15)7-1-5(14)6(3-13)17-7/h2,5-7,13-14H

InchiKey:

ODKNJVUHOIMIIZ-UHFFFAOYSA-N

Formula:

C9H11FN2O5

SMILES:

O=c1[nH]c(=O)n(C2CC(O)C(CO)O2)cc1F

Mol. weight [g/mol]:

246.19

CAS:

50-91-9

Physical Properties

Property code	Value	Unit	Source
log10ws	0.42		Crippen Method
logp	-2.165		Crippen Method
mcvol	154.130	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C50919&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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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<https://www.chemeo.com/cid/56-360-0/Floxuridine.pdf>

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