

Hypoxanthine, 7-alpha-d-arabinofuranosyl-

Inchi: InChI=1S/C10H12N4O5/c15-1-4-6(16)7(17)10(19-4)14-3-13-8-5(14)9(18)12-2-11-8/h2-4,
InchiKey: MTBCDJLBNPJBFZ-UHFFFAOYSA-N
Formula: C10H12N4O5
SMILES: O=c1[nH]cnc2ncn(C3OC(CO)C(O)C3O)c12
Mol. weight [g/mol]: 268.23
CAS: 10280-02-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.53		Crippen Method
logp	-2.751		Crippen Method
mcvol	171.250	ml/mol	McGowan Method

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C10280021&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

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/124-028-3/Hypoxanthine-7-alpha-d-arabinofuranosyl.pdf>

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