

Guanosine

Inchi: InChI=1S/C10H13N5O5/c11-10-13-7-4(8(19)14-10)12-2-15(7)9-6(18)5(17)3(1-16)20-9/h
InchiKey: NYHBQMYGNKIUIF-UHFFFAOYSA-N
Formula: C10H13N5O5
SMILES: Nc1nc(O)c2ncn(C3OC(CO)C(O)C3O)c2n1
Mol. weight [g/mol]: 283.24

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| log10ws | -0.84 | | Crippen Method |
| logp | -2.274 | | Crippen Method |
| mcvol | 181.230 | ml/mol | McGowan Method |

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.cheméo.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=B6006804&Units=SI>

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.cheméo.com/cid/21-263-6/Guanosine.pdf>

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