# Cytidine, 2'-deoxy-N-(trifluoroacetyl)-, 3',5'-bis(trifluoroacetate)

**Other names:** N4,O3'',O5'-Tris(trifluoroacetyl)-2'-deoxycytidine
2'-Deoxycytidine, N,O,O'-tris(trifluoroacetyl)-
**Inchi:** InChI=1S/C15H10F9N3O7/c16-13(17,18)9(28)25-7-1-2-27(12(31)26-7)8-3-5(34-11(30)15
**InchiKey:** FSRWMUNYVVLXME-UHFFFAOYSA-N
**Formula:** C15H10F9N3O7
**SMILES:** O=C(Nc1ccn(C2CC(OC(=O)C(F)(F)F)C(COC(=O)C(F)(F)F)O2)c(=O)n1)C(F)(F)F
**Mol. weight [g/mol]:** 515.24
**CAS:** 35221-99-9

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -3.43 | | Crippen Method |
| logp | 1.611 | | Crippen Method |
| mcvol | 261.650 | ml/mol | McGowan Method |
| rinpol | 2176.00 | | NIST Webbook |

## 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
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C35221999&Units=SI

## Legend

**log10ws:** Log10 of Water solubility in mol/l
**logp:** Octanol/Water partition coefficient
**mcvol:** McGowan's characteristic volume
**rinpol:** Non-polar retention indices

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