

Tetracycline hydrochloride

Other names:

2-naphthacenecarboxamide,
4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-
2-naphthacenecarboxamide,
monohydrochloride,
4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-
achro
monohydrochloride, (4S,4aS,5aS,6S,12aS)-
achromycin
polycycline hydrochloride
tetracycline chloride

Inchi:

InChI=1S/C22H24N2O8.ClH/c1-21(31)8-5-4-6-11(25)12(8)16(26)13-9(21)7-10-15(24(2)3

InchiKey:

XMEVHPAGJVLHIG-UHFFFAOYSA-N

Formula:

C22H25ClN2O8

SMILES:

CN(C)C1C(O)=C(C(N)=O)C(=O)C2(O)C(O)=C3C(=O)c4c(O)cccc4C(C)(O)C3CC12.Cl

Mol. weight [g/mol]:

480.90

CAS:

64-75-5

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C64755&Units=SI>

Liquid pharmaceuticals formulation by eutectic formation:
Measurement and correlation of solubility of Tetracycline hydrochloride in six organic solvents:

<https://www.doi.org/10.1016/j.fluid.2017.05.009>

<https://www.doi.org/10.1016/j.jct.2012.08.007>

Latest version available from:

<https://www.chemeo.com/cid/60-431-6/Tetracycline-hydrochloride.pdf>

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