

## Product Information

### Ancitabine (hydrochloride)

**Cat. No.:** X24-03-LY644

**Size:** 200 mg; 1 g; 5 g; 10 g; 25 g

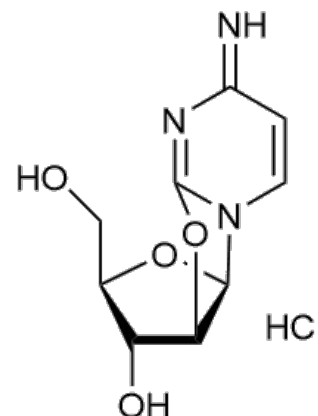
**MDL:** MFCD00012636

**CAS Number:** 10212-25-6

**Compound CID:** 25050

**Synonym:** 10212-25-6; Cyclocytidine hydrochloride; Cyclo-CMP hydrochloride; Cyclo-C

**This product is for research use only and is not intended for diagnostic use.**



### Product Information

<b>Description</b>	Ancitabine (hydrochloride) is a pyrimidine nucleoside analog that interferes with the growth and reproduction of cancer cells by inhibiting DNA synthesis.
<b>Molecular Weight</b>	261.66
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>12</sub> ClN <sub>3</sub> O <sub>4</sub>
<b>IUPAC Name</b>	(2 <i>R</i> ,4 <i>R</i> ,5 <i>R</i> ,6 <i>S</i> )-4-(Hydroxymethyl)-10-imino-3,7-dioxo-1,9-diazatricyclo[6.4.0.0 <sup>2,6</sup> ]dodeca-8,11-dien-5-ol;hydrochloride
<b>InChI</b>	InChI=1S/C9H11N3O4.ClH/c10-5-1-2-12-8-7(16-9(12)11-5)6(14)4(3-13)15-8;/h1-2,4,6-8,10,13-14H,3H2;1H/t4-,6-,7+,8-;/m1./s1
<b>InChI Key</b>	KZOWNALBTMILAP-JBMRGDGSA-N
<b>Canonical SMILES</b>	C1=CN2C3C(C(C(O3)CO)O)OC2=NC1=N.Cl
<b>Isomeric SMILES</b>	C1=CN2[C@H]3[C@H]([C@@H]([C@H](O3)CO)O)OC2=NC1=N.Cl
<b>Form</b>	Solid
<b>Purity</b>	≥98%
<b>Applications</b>	Ancitabine (hydrochloride) can be used to study the mechanisms of leukemia and lymphoma.
<b>Storage</b>	Store at -20°C.