

Product Information

3-Deazaadenosine (hydrochloride)

Cat. No.: X24-03-LY030

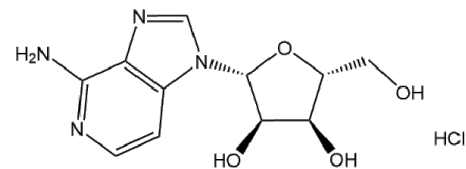
Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 86583-19-9

PubChem CID: 134828261

Synonym: 86583-19-9; 3-Deazaadenosine hydrochloride; (2*R*, 3*R*, 4*S*, 5*R*)-2-(4-Aminoimidazo[4, 5-*c*]pyridin-1-yl)-5-(hydroxymethyl)oxolane-3, 4-diol; Hydrochloride

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



Product Information

Description	3-Deazaadenosine (hydrochloride) is a modified form of adenosine that lacks the nitrogen atom at the 3-position of the adenine ring.
Molecular Weight	302.71
Molecular Formula	C ₁₁ H ₁₅ ClN ₄ O ₄
IUPAC Name	(2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>R</i>)-2-(4-Aminoimidazo[4, 5- <i>c</i>]pyridin-1-yl)-5-(hydroxymethyl)oxolane-3, 4-diol;hydrochloride
InChI	InChI=1S/C11H14N4O4.ClH/c12-10-7-5(1-2-13-10)15(4-14-7)11-9(18)8(17)6(3-16)19-11;/h1-2, 4, 6, 8-9, 11, 16-18H, 3H2, (H2, 12, 13);1H/t6-, 8-, 9-, 11-;/m1./s1
InChI Key	WQRKYGAAEYXMKZ-RPWKAPHTSA-N
Canonical SMILES	C1=CN=C(C2=C1N(C=N2)C3C(C(C(O3)CO)O)O)N.Cl
Isomeric SMILES	C1=CN=C(C2=C1N(C=N2)[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)O)N.Cl
Form	White to off-white solid
Purity	≥98%
Applications	3-Deazaadenosine (hydrochloride) exhibits antiviral activity against a wide range of RNA and DNA viruses and can be a potential candidate for further research into therapeutic agents for cancer and viral infections.
Storage	Store at -20°C.

Safety Information



Personal Protective Equipment Gloves, eyeshields, N95 mask
