

Product Information

7-Deaza-2'-C-methyladenosine

Cat. No.: X24-03-LY296

Size: 5 mg; 10 mg; 25 mg; 50 mg

MDL: MFCD14584964

CAS Number: 443642-29-3

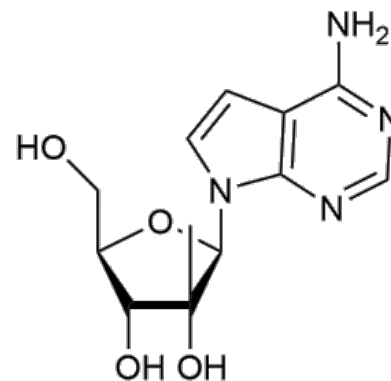
Compound CID: 3011893

Synonym: 443642-29-3;

(2R,3R,4R,5R)-2-(4-Amino-7H

-pyrrolo[2,3-d]pyrimidin-7-yl)-5-(hydroxymethyl)-3-methyltetrahydrofuran-3,4-diol;

7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-(2-C-methyl-b-D-ribofuranosyl)-



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

Product Information

Description	7-Deaza-2'-C-methyladenosine is a modified adenosine analog having a specialized structure with a methyl and a denitrifying group at the 2'-C position of the adenosine.
Molecular Weight	280.28
Molecular Formula	C ₁₂ H ₁₆ N ₄ O ₄
IUPAC Name	<i>(2R,3R,4R,5R)-2-(4-Aminopyrrolo[2,3-d]pyrimidin-7-yl)-5-(hydroxymethyl)-3-methyloxolane-3,4-diol</i>
InChI	InChI=1S/C12H16N4O4/c1-12(19)8(18)7(4-17)20-11(12)16-3-2-6-9(13)14-5-15-10(6)16/h2-3,5,7-8,11,17-19H,4H2,1H3,(H2,13,14,15)/t7-,8-,11-,12-/m1/s1
InChI Key	IRZRJANZDIOOIF-GAJNKVMBSA-N
Canonical SMILES	CC1(C(C(OC1N2C=CC3=C(N=CN=C32)N)CO)O)O
Isomeric SMILES	C[C@@]1([C@@H]([C@H](O[C@H]1N2C=CC3=C(N=CN=C32)N)CO)O)O
Form	Solid
Purity	≥97%
Applications	7-Deaza-2'-C-methyladenosine can also be used as a tool for targeted RNA modification.
Storage	Store at -20°C.