



Product Information

2'-Fluoro-2'-deoxyadenosine

Cat. No.: X23-06-YW019

Size: 250 mg; 500 mg; 1 g; 5g; 10g

MDL: MFCD09750859

CAS Number: 64183-27-3

PubChem CID: 100253

Synonym: 2'-F-dA; 2'-Fluoro-2'-deoxyadenosine; 2'-Deoxy-2'-fluoroadenosine;
Adenosine, 2'-deoxy-2'-fluoro-;

(2*R*,3*R*,4*R*,5*R*)-5-(6-aminopurin-9-yl)-4-fluoro-2-(hydroxymethyl)oxolan-3-ol;

(2*R*,3*R*,4*R*,5*R*)-5-(6-Amino-9H-

purin-9-yl)-4-fluoro-2-(hydroxymethyl)tetrahydrofuran-3-ol

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

Product Information

Description	2'-Fluoro-2'-deoxyadenosine at CD BioGlyco is a white to off-white powder product with a purity of ≥98%. It is a probable prodrug for 2-fluoroadenine which involves deoxygenation by reduction of the 2'-thiocar-bonylimidazolid with (Tms) ₃ SiH as a hydrogen donor.
Molecular Weight	269.236
Molecular Formula	C ₁₀ H ₁₂ FN ₅ O ₃
InChI	InChI=1S/C10H12FN5O3/c11-5-7(18)4(1-17)19-10(5)16-3-15-6-8(12)13-2-14-9(6)16/h2-5,7,10,17-18H,1H2,(H2,12,13,14)/t4-,5-,7-,10-/m1/s1
InChI Key	ZGYYPTJWJBEXBC-QYYRPYCUSA-N
Canonical SMILES	C1=NC(=C2C(=N1)N(C=N2)C3C(C(C(O3)CO)O)F)N
Isomeric SMILES	C1=NC(=C2C(=N1)N(C=N2)[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)F)N
Form	White to off-white powder
Purity	≥98%
Applications	2'-Fluoro-2'-deoxyadenosine can be used in antiviral drug development and as a modified nucleoside for studying RNA biology and therapeutic applications.
Storage	Store at 4°C.