



Product Information

2-Fluoro-2-deoxyadenosine

Cat. No.: X24-03-LY308

Size: 100 mg; 250 mg; 1 g; 5 g; 10 g; 25 g

MDL: MFCD03411337

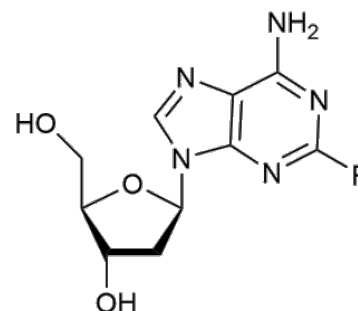
CAS Number: 21679-12-9

Compound CID: 447864

Synonym: 21679-12-9;

(2*R*,3*S*,5*R*)-5-(6-amino-2-fluoro-9*H*-purin-9-yl)-2-(hydroxymethyl)tetrahydrofuran-3-ol;

Adenosine,2'-deoxy-2-fluoro-; 2-Fluorodeoxyadenosine



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

Product Information

Description	2-Fluoro-2-deoxyadenosine is a strongly biologically active nucleoside containing a fluorine atom substituent at the 2-position of deoxyadenosine.
Molecular Weight	269.23
Molecular Formula	C ₁₀ H ₁₂ FN ₅ O ₃
IUPAC Name	(2 <i>R</i> ,3 <i>S</i> ,5 <i>R</i>)-5-(6-Amino-2-fluoropurin-9-yl)-2-(hydroxymethyl)oxolan-3-ol
InChI	InChI=1S/C10H12FN5O3/c11-10-14-8(12)7-9(15-10)16(3-13-7)6-1-4(18)5(2-17)19-6/h3-6,17-18H,1-2H2,(H2,12,14,15)/t4-,5+,6+/m0/s1
InChI Key	ZWPYUXAXLRFWQC-KVQBGUJXSA-N
Canonical SMILES	C1C(C(OC1N2C=NC3=C(N=C(N=C32)F)N)CO)O
Isomeric SMILES	C1[C@@H]([C@H](O[C@H]1N2C=NC3=C(N=C(N=C32)F)N)CO)O
Form	Solid
Purity	≥98%
Applications	2-Fluoro-2-deoxyadenosine can be used as a candidate compound for anti-cancer drugs.
Storage	Store at -20°C.