

Product Information

7-Methyl-guanosine

Cat. No.: X23-06-YW106

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

CAS Number: 20244-86-4

PubChem CID: 135445750

Synonym: N7-Me-Gr; 7-Methylguanosine; N7-Methylguanosine;

2-Amino-6,9-dihydro-7-methyl-6-oxo-9-beta-D-ribofuranosyl-1H-purinium

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

Product Information

Description	7-Methyl-guanosine at CD BioGlyco is a white to off-white powder product with a purity of $\geq 97\%$, which is a modified purine nucleoside.
Molecular Weight	298.28
Molecular Formula	$C_{11}H_{15}N_5O_5$
InChI	InChI=1S/C11H15N5O5/c1-15-3-16(8-5(15)9(20)14-11(12)13-8)10-7(19)6(18)4(2-17)21-10/h3-4,6-7,10,17-19H,2H2,1H3,(H2-,12,13,14,20)/p+1/t4-,6-,7-,10-/m1/s1
InChI Key	OGHAROSJZRTIOK-KQYNXXCUSA-O
Canonical SMILES	<chem>CN1C=[N+](C2=C1C(=O)NC(=N2)N)C3C(C(C(O3)CO)O)O</chem>
Isomeric SMILES	<chem>CN1C=[N+](C2=C1C(=O)NC(=N2)N)[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)O</chem>
Form	White to off-white powder
Purity	$\geq 97\%$
Applications	7-Methyl-guanosine (m^7G) is a methylated version of guanosine found in human urine, it can be used as a biomarker of some types of cancer.
Storage	Store at 4°C.