

Product Information

8-Bromo-2'-deoxyguanosine

Cat. No.: X23-06-YW071

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

MDL: MFCD01630971

CAS Number: 13389-03-2

PubChem CID: 135437126

Synonym: 8-Br-2'-dG; 8-Bromo-2'-deoxyguanosine;

2-Amino-8-bromo-9-((2*R*,4*S*,5*R*

)-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-1*H*-purin-6(9*H*)-one;

8-bromo-2'-dG; Guanosine, 8-bromo-2'-deoxy-; 8-Br-2'-dG

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

Product Information

Molecular Weight	346.141
Molecular Formula	C ₁₀ H ₁₂ BrN ₅ O ₄
InChI	InChI=1S/C10H12BrN5O4/c11-9-13-6-7(14-10(12)15-8(6)19)16(9)5-1-3(18)4(2-17)20-5/h3-5,17-18 H,1-2H2,(H3,12,14,15,19)/t3-,4+,5+/m0/s1
InChI Key	MKDXZFVCXWXGBQ-VPENINKCSA-N
Canonical SMILES	C1C(C(OC1N2C3=C(C(=O)NC(=N3)N)N=C2Br)CO)O
Isomeric SMILES	C1[C@@H]([C@H](O[C@H]1N2C3=C(C(=O)NC(=N3)N)N=C2Br)CO)O
Form	White to off-white powder
Purity	≥97%
Applications	8-Bromo-2'-deoxyguanosine can be used to analyze DNA. And it also can be used to study glycosidic bond cleavage processes and to quantify the kinetics of oxidative DNA damage.
Storage	Store at 4°C.