

Product Information

8-Iodocoumarin

Cat. No.: X24-03-LY689

Size: 1 g; 5 g; 10 g; 25 g

CAS Number: 18438-99-8

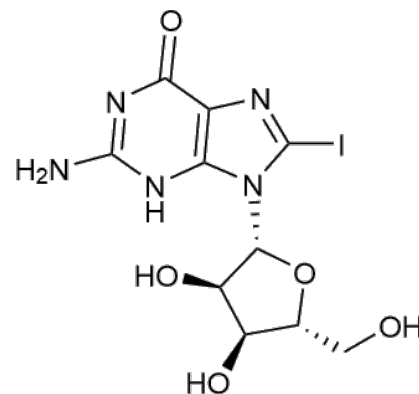
Compound CID: 136226295

Synonym: 18438-99-8; 8-Iodoguanosine;

2-Amino-9-((2*R*,3*R*,4*S*,5*R*

)-3,4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl]-8-iodo-1*H*-purin-6(9*H*)-one

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



Product Information

Description	8-Iodocoumarin is a halogen-modified nucleoside .
Molecular Weight	409.14
Molecular Formula	C ₁₀ H ₁₂ I ₁ N ₅ O ₅
IUPAC Name	2-Amino-9-[(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i>)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-8-iodo-1 <i>H</i> -purin-6-one
InChI	InChI=1S/C10H12IN5O5/c11-9-13-3-6(14-10(12)15-7(3)20)16(9)8-5(19)4(18)2(1-17)21-8/h2,4-5,8,17-19H,1H2,(H3,12,14,15,20)/t2-,4-,5-,8-/m1/s1
InChI Key	PBEHMRJESXYIKX-UMMCILCDSA-N
Canonical SMILES	C(C1C(C(C(O1)N2C3=C(C(=O)NC(=N3)N)N=C2)O)O)O
Isomeric SMILES	C([C@@H]1[C@H]([C@H]([C@@H](O1)N2C3=C(C(=O)NC(=N3)N)N=C2)O)O)O
Form	Solid
Purity	≥97%
Applications	8-Iodocoumarin can be used as a catalyst or reagent in organic synthesis reactions.
Storage	Store at -20°C.