

Product Datasheet

Isoguanosine-5'-O-triphosphate sodium (orb2276818)

Description	Isoguanosine-5'-O-triphosphate, an isomer of guanosine 5'-triphosphate (GTP) and a phosphorylated derivative of crotonoside, does not promote microtubule assembly like GTP. At a concentration of 2 mM, it hampers transcription and triggers T to C mutations in reverse transcriptase assays. This compound aids in assessing the substrate specificity of both phosphofructokinase and mutT homolog 1 (MTH1).
Storage	-20°C
Note	For research use only
Formula	$C_{10}H_{12}N_5O_{14}P_3 \cdot 4Na$
Purity	98.00%
MW	611.11
SMILES	<chem>O[C@@H]1[C@H](O)[C@@H](COP([O-])(OP(OP([O-])([O-])=O)([O-])=O)=O)[C@H]1N2C=NC(C(N)=N3)=C2NC3=O.[Na+].[Na+].[Na+].[Na+]</chem>
Expiration Date	12 months from date of receipt.

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