

Methylnitronitrosoguanidine Biochemical

Methylnitronitrosoguanidine

CATALOG #
AAA201956

PRODUCT SYNONYMS

Methylnitronitrosoguanidine; MNNG; 1-Methyl-3-nitro-1-nitrosoguanidine; Methylnitronitrosoguanidine biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	>98% (HPLC)
Solubility	DMSO: 125mg/mL (849.82mM)
Target	DNA Alkylator
Receptor	DNA alkylator
SMILES	<chem>CN(N=O)C(=N)N[N+](=[O-])=O</chem>
Molecular Formula	C2H5N5O3
CAS Number	70-25-7
Preparation and Storage	Store at -20°C. Stability: ≥2 years.

ADDITIONAL INFORMATION

Related Product Information for Methylnitronitrosoguanidine biochemical	Methylnitronitrosoguanidine (MNNG) is an alkylating agent with toxic and mutagenic effects.
Product Categories/Family for Methylnitronitrosoguanidine biochemical	Cell Cycle/DNA Damage
References	1.Slapikoff S A Andon B M Thilly W G. Comparison of toxicity and mutagenicity of methylnitrosourea methylnitronitrosoguanidine and ICR-191 among human lymphoblast lines [J]. Mutation Research 1980 70 (3):365-371.

NCBI AND UNIPROT INFORMATION

Molecular Weight	147.09
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/methylnitronitrosoguanidine/201956>