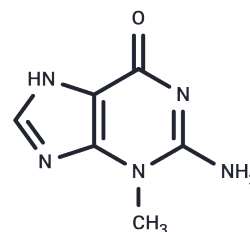


## 3-Methylguanine

## Chemical Properties

CAS No. :	2958-98-7
Formula:	C <sub>6</sub> H <sub>7</sub> N <sub>5</sub> O
Molecular Weight:	165.15
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	3-Methylguanine is a DNA damage product resulting from alkylation. It exhibits cytotoxicity by inhibiting DNA replication, leading to cell death. 3-Methylguanine is utilized to study the mechanisms of DNA damage by alkylating agents and the pathways involved in its repair.
Targets(IC50)	DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0551 mL	30.2755 mL	60.551 mL
5 mM	1.211 mL	6.0551 mL	12.1102 mL
10 mM	0.6055 mL	3.0276 mL	6.0551 mL
50 mM	0.1211 mL	0.6055 mL	1.211 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481