

# 8-Azaguanine

Catalog No: tcsc0013169



## Available Sizes

**Size:** 100mg



## Specifications

**CAS No:**

134-58-7

**Formula:**

$C_4H_4N_6O$

**Pathway:**

Cell Cycle/DNA Damage

**Target:**

Nucleoside Antimetabolite/Analog

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 6 mg/mL (39.45 mM; Need ultrasonic and warming)

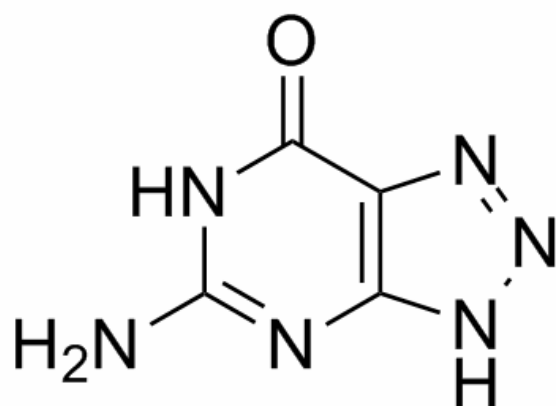
**Observed Molecular Weight:**

152.11

## Product Description

8-Azaguanine is a purine analogue which shows antineoplastic activity.

**In Vitro:** 8-Azaguanine is a purine analogue which shows antineoplastic activity. The results show that cell viability decreases after incubation with 8-Azaguanine, in a dose and time dependent manner. After 24 h of treatment with 8-Azaguanine the IC<sub>50</sub> for CEM cell line is about 100 µM while for MOLT3 cell line the IC<sub>50</sub> is about 10 µM. CEM and MOLT3 cells surface expression of CD26 increases after treatment with 8-Azaguanine in a concentrations dependent manner<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!