

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)

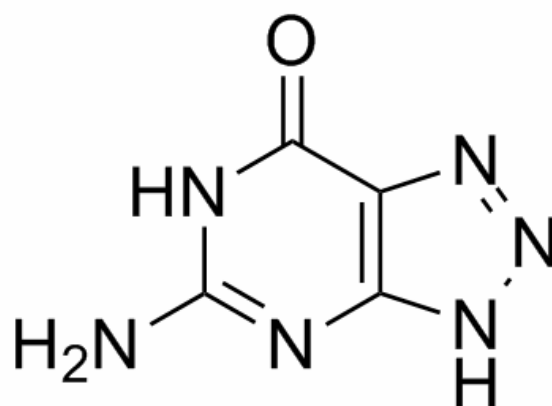
Observed Molecular Weight:

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 IC₅₀ for CEM cell line is about 100 μM while for MOLT3 cell line the IC₅₀ is about 10 μM. CEM and MOLT3 cells surface expression of CD26 increases after treatment with 8-Azaguanine in a concentrations dependent manner^[1].



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