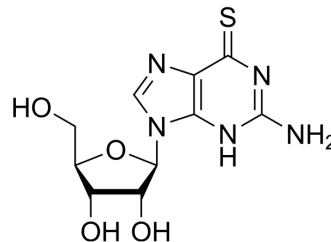


## 6-Thioguanosine

Cat. No.:	HY-119499
CAS No.:	85-31-4
Molecular Formula:	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> S
Molecular Weight:	299.31
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 20 mg/mL (66.82 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3410 mL	16.7051 mL	33.4102 mL
	5 mM	0.6682 mL	3.3410 mL	6.6820 mL
	10 mM	0.3341 mL	1.6705 mL	3.3410 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

6-Thioguanosine (6-Mercaptoguanosine), an active nucleoside, is an Azathioprine metabolite. 6-Thioguanosine has immunosuppressive effects<sup>[1]</sup>.

### REFERENCES

[1]. Amedeo De Nicolò, et al. UPLC-MS/MS method for quantification of the azathioprine metabolites 6-mercaptopurine and 6-methylmercaptopurine riboside in peripheral blood mononuclear cells. J Pharm Biomed Anal. 2014 Sep;98:271-8.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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