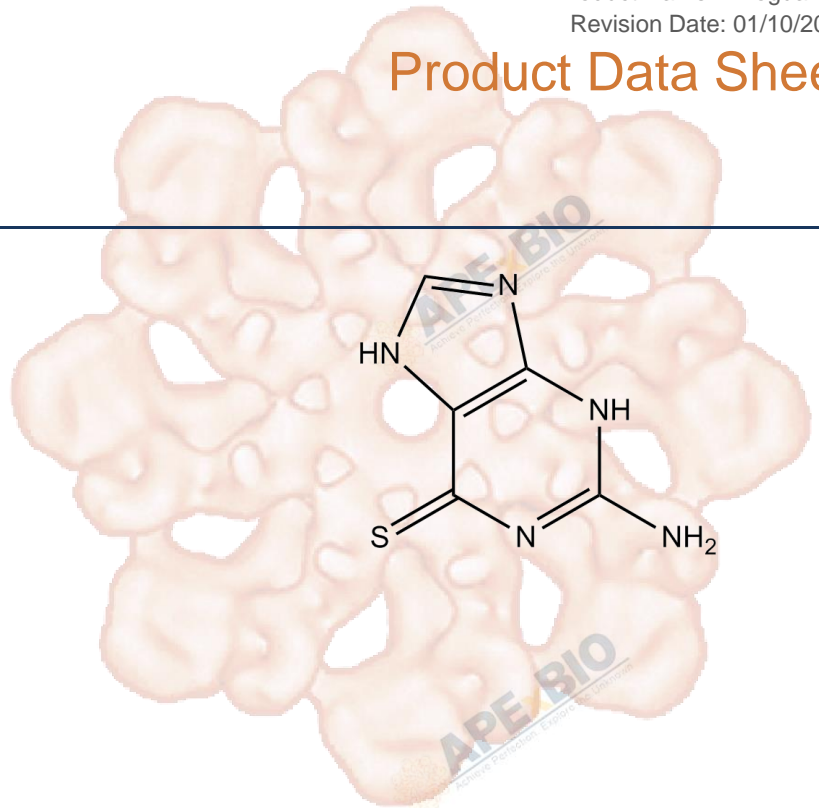


Product Data Sheet

Thioguanine

Cat. No.:	A4176
CAS No.:	154-42-7
Formula:	C ₅ H ₅ N ₅ S
M.Wt:	167.19
Synonyms:	
Target:	DNA Damage/DNA Repair
Pathway:	DNA Methyltransferase
Storage:	Store at -20°C



Solvent & Solubility

insoluble in EtOH; insoluble in H₂O; ≥8.35 mg/mL in DMSO with gentle warming

In Vitro

Preparing Stock Solutions	Solvent	Mass Concentration	Mass		
			1mg	5mg	10mg
		1 mM	5.9812 mL	29.9061 mL	59.8122 mL
		5 mM	1.1962 mL	5.9812 mL	11.9624 mL
		10 mM	0.5981 mL	2.9906 mL	5.9812 mL

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

Biological Activity

Shortsummary

Purine antimetabolite

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

APEX BIO Technology

www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com

