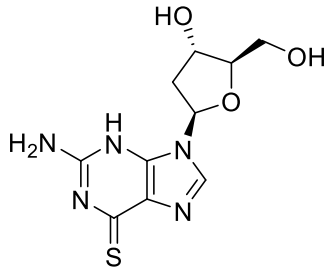


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
561277	6-thio-dG	C9M11C01

Chemical name	
2-Amino-9-[(2R,4S,5R)-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]-3H-purine-6-thione	
Synonyms	
6-thio-dG; 6thiodG; 6 thio dG; 6-Thio-2'-deoxyguanosine; Beta-TGdR; BetaTGdR; Beta TGdR	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 561277 Name: 6-thio-dG CAS#: 789-61-7 Lot#: C9M11C01 Chemical Formula: C ₁₀ H ₁₃ N ₅ O ₃ S Exact Mass: 283.0739 Molecular Weight: 283.31

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE