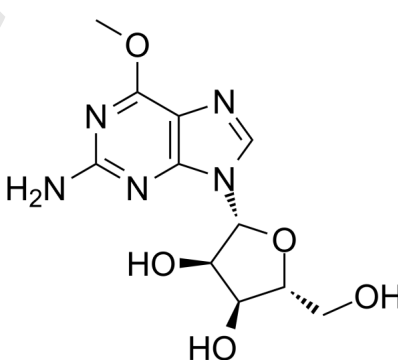


Certificate of Analysis

Catalog Number	BP12978
Product Name	6-O-Methyl Guanosine

Physical and Chemical Properties

CAS No.	7803-88-5
Chemical Formula	C ₁₁ H ₁₅ N ₅ O ₅
Molecular Weight	297.271
Solubility	DMSO: 130 mg/mL (437.31 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of 6-O-Methyl Guanosine is shown. It consists of a guanine base (a fused pyrimidine-imidazole ring system with an amino group at position 2 and a methoxy group at position 6) attached to a ribose sugar at position 1. The ribose sugar is in its cyclic form, with hydroxyl groups at positions 2, 3, and 4. The methoxy group is attached to the 6-position of the guanine base.</p>

Product Information

Description	6-O-Methyl Guanosine inhibit colony-forming ability in a malignant xeroderma pigmentosum cell line.
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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