

Product Name	: 7-Methylguanosine
Synonyms	: —
Cat No.	: M20660
CAS Number	: 20244-86-4
Molecular Formula	: C ₁₁ H ₁₆ N ₅ O ₅ ⁺
Formula Weight	: 298.27
Chemical Name	: —
Description	: 7-Methylguanosine is a novel cNIIIB nucleotidase inhibitor (IC ₅₀ : 87.8?±?7.5?μM).
Pathway	: Cell Cycle/DNA Damage
Target	: Nucleoside Antimetabolite/Analog
Receptor	: cNIIIB nucleotidase
Solubility	: H ₂ O:83.33 mg/mL (279.38 mM; Need ultrasonic); DMSO:12.5 mg/mL (41.91 mM; Need ultrasonic)
SMILES	: <chem>C[n+]1cn([C@@H]2O[C@H](CO)[C@@H](O)[C@H]2O)c2nc(N)[nH]c(=O)c12</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Kozarski M Kubacka D Wojtczak B A et al. 7-Methylguanosine monophosphate analogues with 5'-(123-triazoyl) moiety: Synthesis and evaluation as the inhibitors of cNIIIB nucleotidase[J]. Bioorganic & Medicinal Chemistry 2018 26(1):191.