

Product Data Sheet

Product Name: 7-Methylguanosine

Cat. No.: GC30531

Chemical Properties

Cas. No. 20244-86-4

SMILES O=C1C2=C(N=C(N1)N)N(C=[N+]2C)[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)O

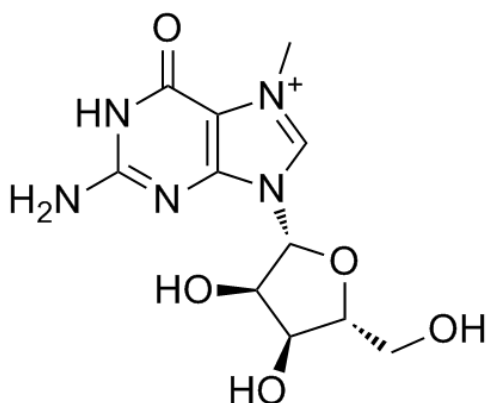
Formula $C_{11}H_{16}N_5O_5$ M.Wt 298.27

Solubility Water : 83.33 mg/mL (279.38 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

7-Methylguanosine is a novel cNIIIB nucleotidase inhibitor with IC₅₀ value of 87.8±7.5 μM.

[1]. Kozarski M, et al. 7-Methylguanosine monophosphate analogues with 5'-(1,2,3-triazoyl) moiety: Synthesis and evaluation as the inhibitors of cNIIIB nucleotidase. Bioorg Med Chem. 2018 Jan 1;26(1):191-199.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA