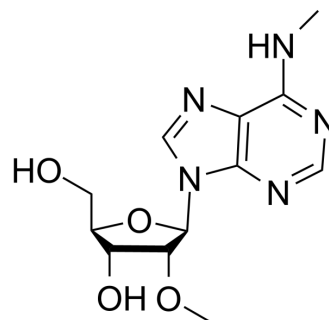


N6,2'-O-Dimethyladenosine

Cat. No.: HY-101082
 CAS No.: 57817-83-1
 Molecular Formula: C₁₂H₁₇N₅O₄
 Molecular Weight: 295.29
 Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (846.63 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent | | 1 mg | 5 mg | 10 mg |
|---------------------------|---------------|------|-----------|------------|------------|
| | Concentration | Mass | | | |
| | 1 mM | | 3.3865 mL | 16.9325 mL | 33.8650 mL |
| | 5 mM | | 0.6773 mL | 3.3865 mL | 6.7730 mL |
| | 10 mM | | 0.3387 mL | 1.6933 mL | 3.3865 mL |

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

BIOLOGICAL ACTIVITY

Description

N6,2'-O-Dimethyladenosine, a substrate of fat mass and obesity-associated gene (FTO), is a reversible modification widely occurred on varied RNA molecules. N6,2'-O-Dimethyladenosine can regulate obesity^{[1][2]}.

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

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