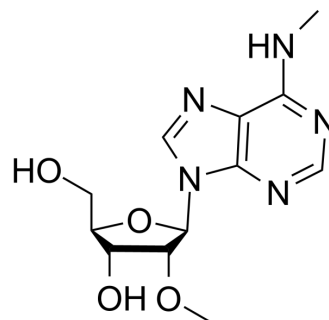


N6,2'-O-Dimethyladenosine

Cat. No.:	HY-101082
CAS No.:	57817-83-1
Molecular Formula:	C ₁₂ H ₁₇ N ₅ O ₄
Molecular Weight:	295.29
Target:	Fat Mass and Obesity-associated Protein (FTO)
Pathway:	Metabolic Enzyme/Protease
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)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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]}.

REFERENCES

[1]. Ben-Haim MS, et, al. Dynamic regulation of N 6,2'-O-dimethyladenosine (m 6 Am) in obesity. Nat Commun. 2021 Dec 10;12(1):7185.

[2]. Jiang J, et, al. m6AmPred: Identifying RNA N6, 2'-O-dimethyladenosine (m 6 A m) sites based on sequence-derived information. Methods. 2021 Feb 2;S1046-2023(21)00019-0.

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

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