
Product Data Sheet

Product Name: N6,2'-O-Dimethyladenosine

Cat. No.: GC69527

Chemical Properties

Cas. No. 57817-83-1

Formula C₁₂H₁₇N₅O₄

M.Wt 295.29

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

Storage 4°C, protect from light

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**

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]}.

[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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