
Product Data Sheet

Product Name: DMT-2'O-Methyl-rU Phosphoramidite

Cat. No.: GC65341

Chemical Properties

Cas. No. 110764-79-9

Formula C₄₀H₄₉N₄O₉P

M.Wt 760.81

Solubility DMSO : 100 mg/mL (131.44 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**

DMT-2'O-Methyl-rU Phosphoramidite (2'-O-Me-U Phosphoramidite) is a 2'-O-Me derivative, and can be used for oligonucleotide synthesis[1][2].

[1]. Stump MD, et al. The use of modified primers to eliminate cycle sequencing artifacts. Nucleic Acids Res. 1999 Dec 1;27(23):4642-8.

[2]. Takahashi M, et al. Synthesis and characterization of 2'-modified-4'-thioRNA: a comprehensive comparison of nuclease stability. Nucleic Acids Res. 2009 Mar;37(4):1353-62.

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

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