
Product Data Sheet

Product Name: 2'-O-MOE-rC

Cat. No.: GC66656

Chemical Properties

Cas. No. 251647-54-8

Formula C₄₉H₅₈N₅O₁₀P

M.Wt 907.99

Solubility DMSO : 100 mg/mL (110.13 mM; Need ultrasonic) 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**

2'-O-MOE-rC is a 2'-O-MOE modified nucleoside. 2'-O-MOE-rC can be used for synthesis of DNA^{[1][2]}.

[1]. Prakash TP, et al. Comparing in vitro and in vivo activity of 2'-O-[2-(methylamino)-2-oxoethyl]- and 2'-O-methoxyethyl-modified antisense oligonucleotides. J Med Chem. 2008 May 8;51(9):2766-76.

[2]. Li M, et al. Synthesis and cellular activity of stereochemically-pure 2'-O-(2-methoxyethyl)-phosphorothioate oligonucleotides. Chem Commun (Camb). 2017 Jan 3;53(3):541-544.

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

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