
Product Data Sheet

Product Name: 2'-Deoxy-5'-O-DMT-2'-fluorouridine

Cat. No.: GC67627

Chemical Properties

Cas. No. 146954-74-7

Formula $C_{30}H_{29}FN_2O_7$

M.Wt 548.56

Solubility DMSO : 100 mg/mL (182.30 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'-Deoxy-5'-O-DMT-2'-fluorouridine, a nucleoside analogue, is a 5'-O-DMTr-5-FUDR derivative with potent **anti-yellow fever (YFV)** activity^[1].

2'-Deoxy-5'-O-DMT-2'-fluorouridine (compound 15h) has 100% inhibition against YFV at 20 mM. 2'-Deoxy-5'-O-DMT-2'-fluorouridine proves to be noncytotoxic at concentrations up to 20 mM^[1].

[1]. Christopher McGuigan, et al. Anti-flavivirus Activity of Different Tritylated Pyrimidine and Purine Nucleoside Analogues. ChemistryOpen. 2016 Jan 21;5(3):227-35.

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

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