

Product Data Sheet

Product Name: Nucleoside-Analog-1

Cat. No.: GC33956

Chemical Properties

Cas. No. 876707-99-2

SMILES O[C@@H]1[C@](CO)(N=[N+]=[N-])O[C@@H](N2C=C3)[C@H]1OC2=NC3=O

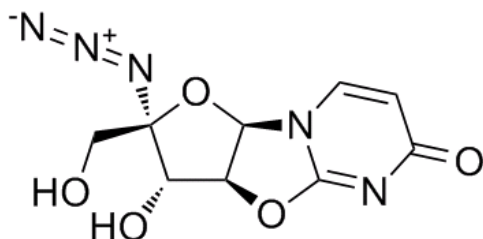
Formula $C_9H_9N_5O_5$ M.Wt 267.2

Solubility Water : 20 mg/mL (74.85 mM) 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

Nucleoside-Analog-1 is a 4'-Azidocytidine analogue against Hepatitis C virus replication.

[1]. Smith DB, et al. The design, synthesis, and antiviral activity of 4'-azidocytidine analogues against hepatitis C virus replication: the discovery of 4'-azidoarabinocytidine. J Med Chem. 2009 Jan 8;52(1):219-23. [2]. Smith DB, et al. The design, synthesis, and antiviral activity of monofluoro and difluoro analogues of 4'-azidocytidine against hepatitis C virus replication: the discovery of 4'-azido-2'-deoxy-2'-fluorocytidine and 4'-azido-2'-dideoxy-2',2'-difluorocytidine. J Med Chem. 2009 May

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

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14;52(9):2971-8.

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