

Product Data Sheet

Product Name: 7-Deaza-2', 3'-dideoxyguanosine

Cat. No.: GF18089

Chemical Properties

Cas. No. 111869-49-9

Formula C₁₁H₁₄N₄O₃ M.Wt 250.25

Solubility DMSO : 125 mg/mL (499.50 mM; Storage 2-8°C
Need ultrasonic)

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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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7-Deaza-2',3'-dideoxyguanosine (7-Deaza-ddG) is a 2'-deoxy-3'-dideoxynucleoside 5'-triphosphate, which can inhibit HIV-1 reverse transcriptase with a K_i of 25 nM.

[1]. Nicholas A Boyle, et al. Synthesis of 2',3'-dideoxynucleoside 5'-alpha-P-borano-beta,gamma-(difluoromethylene)triphosphates and their inhibition of HIV-1 reverse transcriptase. J Med Chem. 2005 Apr 7;48(7):2695-700.

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