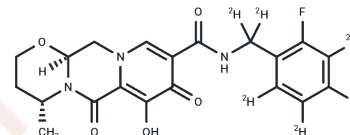


Dolutegravir-D5

Chemical Properties

CAS No. :	2249814-82-0
Formula:	C ₂₀ H ₁₉ F ₂ N ₃ O ₅
Molecular Weight:	424.41
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Dolutegravir-D5 is the deuterated form of Dolutegravir. Dolutegravir (T6198) (S/GSK1349572) is a potent, orally administered HIV integrase strand transfer inhibitor, with an IC ₅₀ of 2.7 nM in the chain-transfer catalyzed by HIV-1 integrase. It effectively inhibits the replication of HIV-1 in peripheral blood mononuclear cells with an IC ₅₀ of 0.51 nM. Additionally, Dolutegravir (T6198) (S/GSK1349572) remains effective against Y143R, N155H, and G140S/Q148H mutants, with an EC ₅₀ ranging from 3.6 to 5.8 nM.
Targets(IC ₅₀)	HIV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3562 mL	11.7811 mL	23.5621 mL
5 mM	0.4712 mL	2.3562 mL	4.7124 mL
10 mM	0.2356 mL	1.1781 mL	2.3562 mL
50 mM	0.0471 mL	0.2356 mL	0.4712 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481