

BMT-052

Chemical Properties

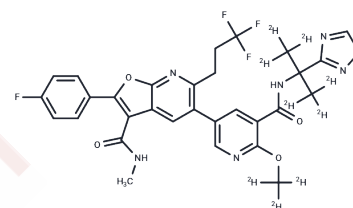
CAS No. : 1628720-84-2

Formula: C30H17D9F4N6O5

Molecular Weight: 635.61

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	BMT-052 is a potent and selective Pan-genotypic HCV NS5B Polymerase Inhibitor (EC50 = 7 nM).
Targets(IC50)	HCV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5733 mL	7.8665 mL	15.7329 mL
5 mM	0.3147 mL	1.5733 mL	3.1466 mL
10 mM	0.1573 mL	0.7866 mL	1.5733 mL
50 mM	0.0315 mL	0.1573 mL	0.3147 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.

Reference

Improving Metabolic Stability with Deuterium: The Discovery of BMT-052, a Pan-genotypic HCV NS5B Polymerase Inhibitor Kyle Parcella, Kyle Eastman, Kap-Sun Yeung, Katharine A. Grant-Young, Juliang Zhu, Tao Wang, Zhongxing Zhang, Zhiwei Yin, Dawn Parker, Kathy Mosure, Hua Fang, Ying-Kai Wang, Julie Lemm, Xiaoliang Zhuo, Umesh Hanumegowda, Mengping Liu, Karen Rigat, Maria Donoso, Maria Tuttle, Tatyana Zvyaga, Zuzana Haarhoff, Nicholas A. Meanwell, Matthew G. Soars, Susan B. Roberts, and John F. Kadow Publication Date (Web): June 29, 2017 (Letter) doi: 10.1021/acsmedchemlett.7b00211

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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