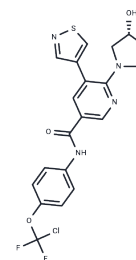


BCR-ABL-IN-3

Chemical Properties

CAS No. :	2240191-12-0
Formula:	C ₂₀ H ₁₇ ClF ₂ N ₄ O ₃ S
Molecular Weight:	466.89
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	BCR-ABL-IN-3 is a highly effective, irreversible inhibitor of Bcr-Abl, with an IC ₅₀ value of ≤100 nM for Ba/F3 Bcr-Abl T3151, displaying significant anti-cancer activity.
Targets(IC ₅₀)	Others, Bcr-Abl
In vivo	BCR-ABL-IN-3, also known as compound 7, administered at a dose of 15 mg/kg twice daily for 19 days, demonstrated significant antitumor effects in 7-8 week-old female NOD/SCID mice, each weighing 21.8 g and implanted with Ba/F3 Bcr-Abl T3151 cells[1]. Additionally, in 7-8 week-old male Sprague Dawley rats weighing 210 g, BCR-ABL-IN-3 displayed pharmacokinetic properties with a maximum concentration (C _{max}) of 5485 ng/mL and an area under the curve (AUC) of 5450 h·ng/mL, when administered intravenously (IV) at a dose of 2 mg/kg or orally (PO) at 20 mg/kg[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1418 mL	10.7092 mL	21.4183 mL
5 mM	0.4284 mL	2.1418 mL	4.2837 mL
10 mM	0.2142 mL	1.0709 mL	2.1418 mL
50 mM	0.0428 mL	0.2142 mL	0.4284 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

Hanyi Wang, et al. (hetero)arylamide compound for inhibiting protein kinase activity. WO2018133826A1.

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