

PLX7683

Chemical Properties

CAS No. : 1652573-86-8
 Formula: C₂₃H₁₉ClF₂N₄O₃S
 Molecular Weight: 504.94
 Storage: Keep away from direct sunlight, Keep away from moisture
 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	PLX7683 is a paradox breaker. PLX7683 overcomes several known mechanisms of resistance to first-generation RAF inhibitors by dissociating MAPK pathway inhibition from paradoxical activation. PLX7683 is used in kinase signaling research systems to investigate RAF pathway regulation, resistance mutation mechanisms, and MAPK cascade modulation in cancer cell models.
Targets(IC50)	Raf

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9804 mL	9.9022 mL	19.8043 mL
5 mM	0.3961 mL	1.9804 mL	3.9609 mL
10 mM	0.198 mL	0.9902 mL	1.9804 mL
50 mM	0.0396 mL	0.198 mL	0.3961 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

Miller DSJ, Voell SA, Sosič I, Proj M, Rossanese OW, Schnakenburg G, et al. Encoding BRAF inhibitor functions in protein degraders. RSC Med Chem. 13(6):731-6. doi:10.1039/d2md00064d PubMed PMID: 35814929; PubMed Central PMCID: PMC9215127.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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