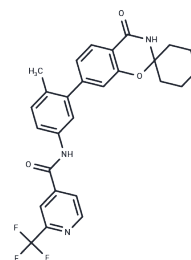


RAF-IN-1

Chemical Properties

CAS No. :	2695505-82-7
Formula:	C ₂₆ H ₂₂ F ₃ N ₃ O ₄
Molecular Weight:	497.47
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	RAF-IN-1 is a potent inhibitor of b/cRAF, acting on cRAF (IC ₅₀ : 3.8 nM), BRAFwt (IC ₅₀ : 36 nM), BRAFV600E (IC ₅₀ : 29.4 nM) and inhibiting A375 and H358 cell lines carrying the BRAFV600E mutation with a GI ₅₀ of 3.4 and 2.9 nM.
Targets(IC ₅₀)	Raf

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0102 mL	10.0509 mL	20.1017 mL
5 mM	0.402 mL	2.0102 mL	4.0203 mL
10 mM	0.201 mL	1.0051 mL	2.0102 mL
50 mM	0.0402 mL	0.201 mL	0.402 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

Zhao P, et al. Discovery of spiro amide SHR902275: A potent, selective, and efficacious RAF inhibitor targeting RAS mutant cancers. *Eur J Med Chem.* 2022;228:114040.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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