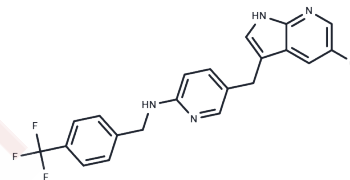


FLT3-IN-2

Chemical Properties

CAS No. : 923562-23-6
 Formula: C₂₁H₁₆ClF₃N₄
 Molecular Weight: 416.83
 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	FLT3-IN-2 is an FLT3 inhibitor (IC ₅₀ <1 μM).
Targets(IC ₅₀)	FLT

Solubility Information

Solubility	DMSO: 50 mg/mL (119.95 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.8 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3991 mL	11.9953 mL	23.9906 mL
5 mM	0.4798 mL	2.3991 mL	4.7981 mL
10 mM	0.2399 mL	1.1995 mL	2.3991 mL
50 mM	0.048 mL	0.2399 mL	0.4798 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

Zhang Chao, et al.. From PCT Int. Appl. (2012), WO 2012158957 A2 20121122.

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