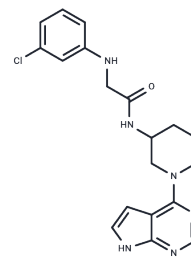


BTK IN-1

Chemical Properties

CAS No. :	1270014-40-8
Formula:	C ₁₉ H ₂₁ ClN ₆ O
Molecular Weight:	384.86
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	BTK IN-1 [SNS062 analog] is an effective BTK inhibitor with an IC ₅₀ of less than 100 nM.
Targets(IC ₅₀)	BTK

Solubility Information

Solubility	H ₂ O: Insoluble, DMSO: 95 mg/mL (246.84 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: 2.5 mg/mL (6.5 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	2.5983 mL	12.9917 mL	25.9835 mL
5 mM	0.5197 mL	2.5983 mL	5.1967 mL
10 mM	0.2598 mL	1.2992 mL	2.5983 mL
50 mM	0.052 mL	0.2598 mL	0.5197 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

Minna Bui, et al. Heteroaryl btk inhibitors. WO2011029043A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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