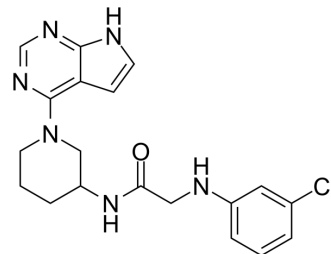


BTK IN-1

Cat. No.:	HY-101941		
CAS No.:	1270014-40-8		
Molecular Formula:	C ₁₉ H ₂₁ ClN ₆ O		
Molecular Weight:	384.86		
Target:	Btk		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (259.83 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 3 mg/mL (7.80 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 3 mg/mL (7.80 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BTK IN-1 (SNS062 analog) is a potent BTK inhibitor, with an IC₅₀ of <100 nM.

IC₅₀ & Target

BTK^[1]

In Vitro

BTK IN-1 (Compound 21) is a potent BTK inhibitor, with an IC₅₀ of <100 nM.
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Minna Bui, et al. Heteroaryl btk inhibitors. WO2011029043A1

Caution: Product has not been fully validated for medical applications. For research use only.

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