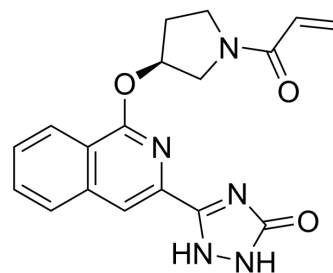


TAK-020

Cat. No.:	HY-132879		
CAS No.:	1627603-21-7		
Molecular Formula:	C ₁₈ H ₁₇ N ₃ O ₃		
Molecular Weight:	351.36		
Target:	Btk		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 20.83 mg/mL (59.28 mM); ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8461 mL	14.2304 mL	28.4608 mL
	5 mM	0.5692 mL	2.8461 mL	5.6922 mL
	10 mM	0.2846 mL	1.4230 mL	2.8461 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: ≥ 1.67 mg/mL (4.75 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.67 mg/mL (4.75 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.67 mg/mL (4.75 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

TAK-020 is a covalent Btk inhibitor, which becomes the clinical candidate.

REFERENCES

- [1]. Sabat M, et al. Discovery of the Bruton's Tyrosine Kinase Inhibitor Clinical Candidate TAK-020 (S)-5-(1-((1-Acryloylpyrrolidin-3-yl)oxy)isoquinolin-3-yl)-2,4-dihydro-3H-

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

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