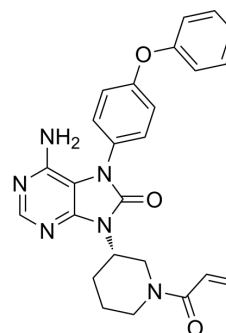


ONO-4059 analog

Cat. No.:	HY-18951		
CAS No.:	1351635-67-0		
Molecular Formula:	C ₂₅ H ₂₄ N ₆ O ₃		
Molecular Weight:	456.5		
Target:	Btk; Apoptosis		
Pathway:	Protein Tyrosine Kinase/RTK; Apoptosis		
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 : 50 mg/mL (109.53 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.1906 mL	10.9529 mL	21.9058 mL
5 mM	0.4381 mL	2.1906 mL	4.3812 mL
10 mM	0.2191 mL	1.0953 mL	2.1906 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: 2.5 mg/mL (5.48 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (5.48 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (5.48 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

ONO-4059 analog is an analogue of ONO-4059, and ONO-4059 (HY-15771) is a highly potent and selective Btk inhibitor.

CUSTOMER VALIDATION

- Science. 2017 Dec 1;358(6367):eaan4368.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Simon Rule, A Phase I Study Of The Oral Btk Inhibitor ONO-4059 In Patients With Relapsed/Refractory B-Cell Lymphoma. November 15, 2013; Blood: 122 (21)
- [2]. Toshio Yoshizawa, et al. Development of a Bruton's Tyrosine Kinase (Btk) Inhibitor, ONO-4059: Efficacy in a Collagen Induced Arthritis (CIA) Model Indicates Potential Treatment for Rheumatoid Arthritis (RA). Washington, DC November 9-14, 2012.
- [3]. Yamamoto, et al. Preparation of purinone derivatives as selective Btk inhibitors. From PCT Int. Appl. (2011), WO 2011152351 A1 20111208.
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Caution: Product has not been fully validated for medical applications. For research use only.

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