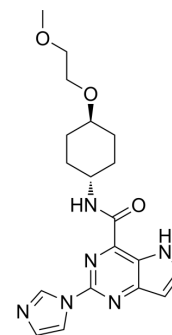


RBN013209

Cat. No.:	HY-144987		
CAS No.:	2597933-17-8		
Molecular Formula:	C ₁₉ H ₂₄ N ₆ O ₃		
Molecular Weight:	384.43		
Target:	CD38		
Pathway:	Immunology/Inflammation		
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 : 100 mg/mL (260.13 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6013 mL	13.0063 mL	26.0125 mL
	5 mM	0.5203 mL	2.6013 mL	5.2025 mL
	10 mM	0.2601 mL	1.3006 mL	2.6013 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: ≥ 2.08 mg/mL (5.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (5.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.41 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

RBN013209 is a potent CD38 inhibitor with an IC₅₀ of 0.01-0.1 μM for human CD38. RBN013209 can be used for the research of cancer^[1].

REFERENCES

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

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