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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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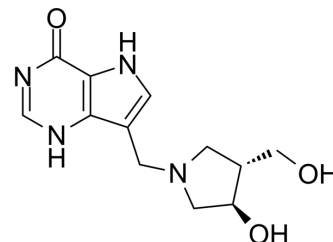
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Ulodesine

Cat. No.:	HY-19480		
CAS No.:	548486-59-5		
Molecular Formula:	C ₁₂ H ₁₆ N ₄ O ₃		
Molecular Weight:	264.28		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 25 mg/mL (94.60 mM; ultrasonic and warming and heat to 60°C)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	3.7839 mL	18.9193 mL	37.8387 mL
		5 mM	0.7568 mL	3.7839 mL	7.5677 mL
		10 mM	0.3784 mL	1.8919 mL	3.7839 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1 mg/mL (3.78 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (3.78 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (3.78 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Ulodesine is a purine nucleoside phosphorylase (PNP) inhibitor. Ulodesine inhibits PNP with IC ₅₀ value of 2.293 nM/L. Ulodesine can be used for the research of hyperuricemia ^{[1][2]} .
In Vivo	Ulodesine (i.v.) potently inhibits PNP with IC ₅₀ value of 2.293 nM/L ^[1] . Ulodesine (i.v.) eliminates uric acid accumulations in blood of the mouse model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Xujuan YANG, et al. Establishment of a novel hyperuricemia animal model using mice and assessment of hypouricemia action of PNP inhibitor Ulodesine.
- [2]. Cesar Diaz-Torné, et al. New medications in development for the treatment of hyperuricemia of gout. Curr Opin Rheumatol. 2015 Mar;27(2):164-9.
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Caution: Product has not been fully validated for medical applications. For research use only.

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