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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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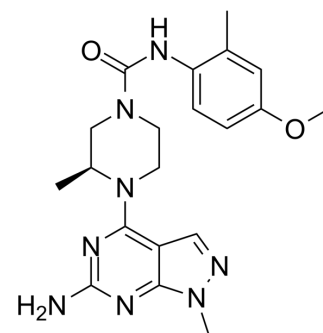
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UCB9608

Cat. No.:	HY-112613		
CAS No.:	1616413-96-7		
Molecular Formula:	C ₂₀ H ₂₆ N ₈ O ₂		
Molecular Weight:	410.47		
Target:	PI4K		
Pathway:	PI3K/Akt/mTOR		
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 : 65 mg/mL (158.36 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.4362 mL	12.1812 mL	24.3623 mL
		5 mM		0.4872 mL	2.4362 mL	4.8725 mL
		10 mM		0.2436 mL	1.2181 mL	2.4362 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: ≥ 2.08 mg/mL (5.07 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.07 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.07 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	UCB9608 is a potent, selective and orally active PI4KIIIβ inhibitor, with an IC ₅₀ of 11 nM, selective over PI3KC2 α, β, and γ lipid kinases. UCB9608 improves metabolic stability and exhibits excellent pharmacokinetic profile, acts as a potent immunosuppressive agent ^[1] .
In Vitro	UCB9608 is a potent, selective and orally active PI4KIIIβ inhibitor, with an IC ₅₀ of 11 nM. UCB9608 is selective for PI4KIIIβ over PI3KC2 α, β, and γ lipid kinases ^[1] . UCB9608 inhibits human mixed lymphocyte reaction, the IC ₅₀ is 37 nM ^[1] .

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Patent. US20220273624A1.

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REFERENCES

[1]. Reuberson J, et al. Discovery of a Potent, Orally Bioavailable PI4KIII β Inhibitor (UCB9608) Able To Significantly Prolong Allogeneic Organ Engraftment in Vivo. J Med Chem. 2018 Aug 9;61(15):6705-6723.

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

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