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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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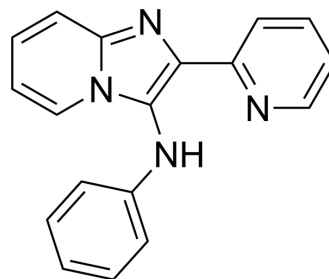
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LASSBio-1135

Cat. No.:	HY-131986		
CAS No.:	852453-71-5		
Molecular Formula:	C ₁₈ H ₁₄ N ₄		
Molecular Weight:	286.33		
Target:	TRP Channel		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
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 : 6.67 mg/mL (23.29 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.4925 mL	17.4624 mL	34.9247 mL
5 mM			0.6985 mL	3.4925 mL	6.9849 mL	
	10 mM		0.3492 mL	1.7462 mL	3.4925 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: ≥ 0.67 mg/mL (2.34 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	LASSBio-1135 (Compound 3a) is an orally active TRPV1 antagonist. LASSBio-1135 is an anti-inflammatory and analgesic compound. LASSBio-1135 inhibits moderately the human PGHS-2 enzyme activity (IC ₅₀ = 18.5 μM). LASSBio-1135 reverts the Capsaicin (HY-10448)-induced thermal hyperalgesia and reduces the carrageenan-induced rat paw edem ^[1] .
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REFERENCES

- [1]. Lacerda RB, et al. Discovery of novel analgesic and anti-inflammatory 3-arylamine-imidazo[1,2-a]pyridine symbiotic prototypes. *Bioorg Med Chem*. 2009 Jan 1;17(1):74-84.
- [2]. Lima CK, et al. LASSBio-1135: a dual TRPV1 antagonist and anti-TNF-alpha compound orally effective in models of inflammatory and neuropathic pain. *PLoS One*. 2014 Jun 18;9(6):e99510.

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

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