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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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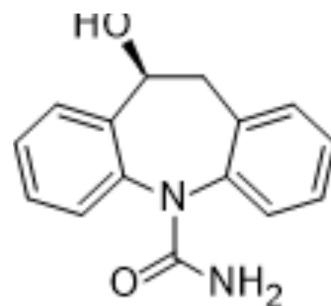
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Eslicarbazepine

Cat. No.:	HY-114703
CAS No.:	104746-04-5
Molecular Formula:	C ₁₅ H ₁₄ N ₂ O ₂
Molecular Weight:	254.28
Target:	Beta-secretase; Sodium Channel
Pathway:	Neuronal Signaling; Membrane Transporter/Ion Channel
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 : 250 mg/mL (983.17 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.9327 mL	19.6634 mL	39.3267 mL
		5 mM		0.7865 mL	3.9327 mL	7.8653 mL
		10 mM		0.3933 mL	1.9663 mL	3.9327 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 (8.18 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (8.18 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (8.18 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Eslicarbazepine is an oral anticonvulsant indicated for the adjunctive treatment of partial seizures.
In Vivo	Eslicarbazepine is an anti-epileptic drug, chemically related to carbamazepine but with a more favorable safety profile. Eslicarbazepine acetate is a prodrug for eslicarbazepine (S-licarbazepine), which is a dual a dual Inhibitor of β-Secretase and voltage-gated sodium channel^{[1][2]}. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Finelli E, et al. Patch testing in a case of eslicarbazepine and carbamazepine induced cutaneous reaction. Eur Ann Allergy Clin Immunol. 2018 Sep;50(5):229-231.
- [2]. Sibhghatulla Shaikh, et al. Aptiom (Eslicarbazepine Acetate) as a Dual Inhibitor of β -Secretase and Voltage-Gated Sodium Channel: Advancement in Alzheimer's Disease-Epilepsy Linkage via an Enzoinformatics Study. CNS & Neurological Disorders Drug Targets Volume 13 , Issue 7 , 2014.
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Caution: Product has not been fully validated for medical applications. For research use only.

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