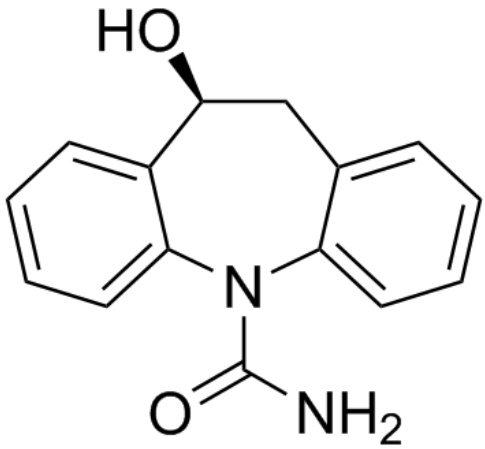
Product Data Sheet

Product Name: Eslicarbazepine
Cat. No.: GC36008

Chemical Properties

Cas. No.	104746-04-5		
SMILES	O=C(N)N1C2=CC=CC=C2C[C@@H](C3=CC=CC=C31)O		
Formula	$C_{15}H_{14}N_2O_2$	M.Wt	254.28
Solubility	DMSO: 250 mg/mL (983.17 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Eslicarbazepine is an oral anticonvulsant indicated for the adjunctive treatment of partial seizures.

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].

References:

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