

Eslicarbazepine

Chemical Properties

CAS No.:	104746-04-5
Formula:	C ₁₅ H ₁₄ N ₂ O ₂
Molecular Weight:	254.29
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Eslicarbazepine can be used for adjunctive therapy for adults with partial-onset seizures.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.933 mL	19.663 mL	39.325 mL
5 mM	0.787 mL	3.933 mL	7.865 mL
10 mM	0.393 mL	1.966 mL	3.933 mL
50 mM	0.079 mL	0.393 mL	0.787 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Doeser A, Soares-da-Silva P, Beck H, Uebachs M. The effects of eslicarbazepine on persistent Na⁺ current and the role of the Na⁺ channel β subunits. *Epilepsy Res.* 2014 Feb;108(2):202-11. doi: 10.1016/j.epilepsyres.2013.11.022. Epub 2013 Dec 8. PubMed PMID: 24368131.
2. Keating GM. Eslicarbazepine acetate: a review of its use as adjunctive therapy in refractory partial-onset seizures. *CNS Drugs.* 2014 Jul;28(7):583-600. doi: 10.1007/s40263-014-0182-2. Review. PubMed PMID: 24972948.
3. Verrotti A, Loiacono G, Rossi A, Zaccara G. Eslicarbazepine acetate: an update on efficacy and safety in epilepsy. *Epilepsy Res.* 2014 Jan;108(1):1-10. doi: 10.1016/j.epilepsyres.2013.10.005. Epub 2013 Oct 23. Review. PubMed PMID: 24225327.
4. Elger C, Bialer M, Falcão A, Vaz-da-Silva M, Nunes T, Almeida L, Soares-da-Silva P. Pharmacokinetics and tolerability of eslicarbazepine acetate and oxcarbazepine at steady state in healthy volunteers. *Epilepsia.* 2013 Aug;54(8):1453-61. doi: 10.1111/epi.12242. Epub 2013 Jun 12. PubMed PMID: 23758485.

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