

De(5-carboxamide)oxcarbazepine

Chemical Properties

CAS No.:	21737-58-6
Formula:	C ₁₄ H ₁₁ NO
Molecular Weight:	209.25
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	De(5-carboxamide)oxcarbazepine is used for organic synthesis.
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Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.779 mL	23.895 mL	47.790 mL
5 mM	0.956 mL	4.779 mL	9.558 mL
10 mM	0.478 mL	2.389 mL	4.779 mL
50 mM	0.096 mL	0.478 mL	0.956 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. Bialer M, Soares-da-Silva P. Pharmacokinetics and drug interactions of eslicarbazepine acetate. *Epilepsia*. 2012 Jun;53(6):935-46. doi: 10.1111/j.1528-1167.2012.03519.x. Epub 2012 May 21. Review. PubMed PMID: 22612290.
2. Fortuna A, Alves G, Falcão A, Soares-da-Silva P. Evaluation of the permeability and P-glycoprotein efflux of carbamazepine and several derivatives across mouse small intestine by the Ussing chamber technique. *Epilepsia*. 2012 Mar;53(3):529-38. doi: 10.1111/j.1528-1167.2012.03409.x. PubMed PMID: 22372629.
3. Di Resta C, Ambrosi P, Curia G, Becchetti A. Effect of carbamazepine and oxcarbazepine on wild-type and mutant neuronal nicotinic acetylcholine receptors linked to nocturnal frontal lobe epilepsy. *Eur J Pharmacol*. 2010 Sep 15;643(1):13-20. doi: 10.1016/j.ejphar.2010.05.063. Epub 2010 Jun 16. PubMed PMID: 20561518.
4. Ayala-Guerrero F, Mexicano G, Campos-Sepúlveda E, Romero RM, Reynoso-Robles R, González-Maciel A. Effect of oxcarbazepine pretreatment on convulsive activity and brain damage induced by kainic acid administration in rats. *Comp Biochem Physiol A Mol Integr Physiol*. 2008 Nov;151(3):471-6. Epub 2007 Jun 23. PubMed PMID: 17669675.

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