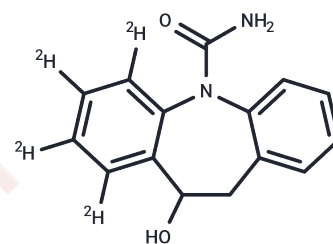


10,11-Dihydro-10-hydroxycarbamazepine-D4

Chemical Properties

CAS No. :	1188265-49-7
Formula:	C ₁₅ H ₁₀ D ₄ N ₂ O ₂
Molecular Weight:	258.31
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	10,11-Dihydro-10-hydroxycarbamazepine-D4 is a deuterated compound of 10,11-Dihydro-10-hydroxycarbamazepine. 10,11-Dihydro-10-hydroxycarbamazepine (T7806) has a CAS number of 29331-92-8. Licarbazepine is the pharmacologically active metabolite of oxcarbazepine, a drug indicated for the treatment of partial seizures and bipolar disorders.
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8713 mL	19.3566 mL	38.7132 mL
5 mM	0.7743 mL	3.8713 mL	7.7426 mL
10 mM	0.3871 mL	1.9357 mL	3.8713 mL
50 mM	0.0774 mL	0.3871 mL	0.7743 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

1. Begas E , Tsakalof A , Dardiotis E , et al. Development and validation of a reversed-phase HPLC method for licarbazepine monitoring in serum of patients under oxcarbazepine treatment: HPLC method for licarbazepine monitoring in serum of patients[J]. Biomedical Chromatography, 2017, 31(9).

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