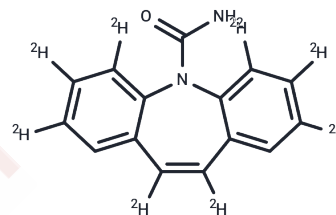


Carbamazepine-D8

Chemical Properties

CAS No. :	1538624-35-9
Formula:	C ₁₅ H ₄ D ₈ N ₂ O
Molecular Weight:	244.32
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	Carbamazepine-D8 is a deuterated compound of Carbamazepine (TMSM-0648).
Targets(IC50)	Mitophagy, Autophagy, Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.093 mL	20.465 mL	40.9299 mL
5 mM	0.8186 mL	4.093 mL	8.186 mL
10 mM	0.4093 mL	2.0465 mL	4.093 mL
50 mM	0.0819 mL	0.4093 mL	0.8186 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

Yamazaki Y, et al. Design and synthesis of highly potent and selective human peroxisome proliferator-activated receptor alpha agonists. *Bioorg Med Chem Lett*. 2007 Aug 15;17(16):4689-93. Epub2007 May 24.

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