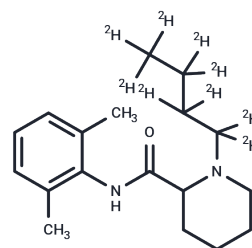


Bupivacaine-D9

Chemical Properties

CAS No. : 474668-57-0
 Formula: C₁₈H₁₉D₉N₂O
 Molecular Weight: 297.48
 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	Bupivacaine-D9 is a deuterated compound of Bupivacaine. Bupivacaine (T0030L) has a CAS number of 38396-39-3. Bupivacaine (T0030L) is a NMDA receptor inhibitor. Bupivacaine can block sodium, L-calcium, and potassium channels. Bupivacaine potently blocks SCN5A channels with the IC ₅₀ of 69.5 μM. Bupivacaine (T0030L) can be used for the research of chronic pain.
Targets(IC50)	Calcium Channel, iGluR, Potassium Channel, Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3616 mL	16.8079 mL	33.6157 mL
5 mM	0.6723 mL	3.3616 mL	6.7231 mL
10 mM	0.3362 mL	1.6808 mL	3.3616 mL
50 mM	0.0672 mL	0.3362 mL	0.6723 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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