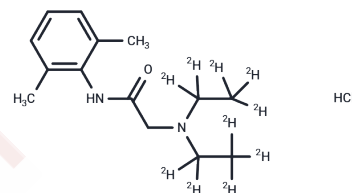


Lidocaine-D10 hydrochloride

Chemical Properties

CAS No. : 1189959-13-4
 Formula: C₁₄H₁₃D₁₀ClN₂O
 Molecular Weight: 280.86
 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	Lidocaine-D10 hydrochloride is a deuterated compound of Lidocaine Hydrochloride. Lidocaine Hydrochloride (T1144) has a CAS number of 73-78-9. Lidocaine hydrochloride is a local anesthetic and cardiac depressant used as an antiarrhythmic agent. Its actions are more intense and its effects more prolonged than those of PROCAINE but its duration of action is shorter than that of BUPIVACAINE or PRILOCAINE.
Targets(IC50)	Apoptosis,ERK,NF-κB,MEK,Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5605 mL	17.8025 mL	35.6049 mL
5 mM	0.7121 mL	3.5605 mL	7.121 mL
10 mM	0.356 mL	1.7802 mL	3.5605 mL
50 mM	0.0712 mL	0.356 mL	0.7121 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.

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