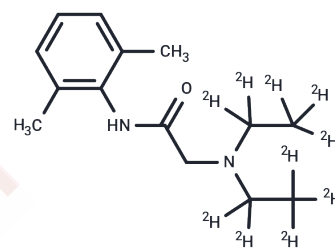


## Lidocaine-D10 (N,N-diethyl-D10)

### Chemical Properties

CAS No. :	851528-09-1
Formula:	C <sub>14</sub> H <sub>12</sub> D <sub>10</sub> N <sub>2</sub> O
Molecular Weight:	244.4
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	Lidocaine-D10 (N,N-diethyl-D10) is a deuterated compound of Lidocaine. Lidocaine (T0468) has a CAS number of 137-58-6. Lidocaine (T0468) is an amide local anesthetic with anti-inflammatory properties in vitro and in vivo. It has this functions perhaps due to an attenuation of intracellular adhesion molecule-1 (ICAM-1), pro-inflammatory cytokines, and reduction of neutrophils influx.
Targets(IC50)	Apoptosis,ERK,NF-κB,MEK,Sodium Channel

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0917 mL	20.4583 mL	40.9165 mL
5 mM	0.8183 mL	4.0917 mL	8.1833 mL
10 mM	0.4092 mL	2.0458 mL	4.0917 mL
50 mM	0.0818 mL	0.4092 mL	0.8183 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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