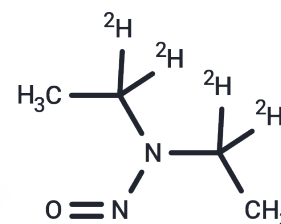


N-Nitrosodiethylamine-D4

Chemical Properties

CAS No. :	1346603-41-5
Formula:	C ₄ H ₁₀ N ₂ O
Molecular Weight:	106.16
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	N-Nitrosodiethylamine-D4 is the deuterated form of N-Nitrosodiethylamine. N-Nitrosodiethylamine (T35455) (Diethylnitrosamine) is a potent carcinogenic dialkyl nitrosamine. It is commonly found in tobacco smoke, water, cheddar cheese, cured foods, fried foods, and several alcoholic beverages. N-Nitrosodiethylamine (T35455) is known to affect enzymatic processes related to DNA repair and replication, leading to various tumors in animals. The primary target organs are the nasal cavity, trachea, lungs, esophagus, and liver.
Targets(IC50)	DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.4197 mL	47.0987 mL	94.1974 mL
5 mM	1.8839 mL	9.4197 mL	18.8395 mL
10 mM	0.942 mL	4.7099 mL	9.4197 mL
50 mM	0.1884 mL	0.942 mL	1.8839 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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