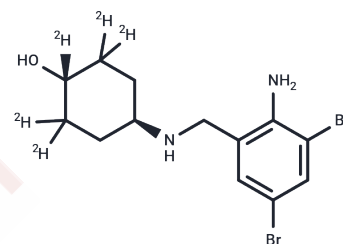


Ambroxol-D5

Chemical Properties

CAS No. :	1246818-80-3
Formula:	C ₁₃ H ₁₃ Br ₂ D ₅ N ₂ O
Molecular Weight:	383.13
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	Ambroxol-D5 is intended for use as an internal standard for the quantification of ambroxol by GC- or LC-MS. Ambroxol (T0920) is an expectorant and active metabolite of bromhexine. It decreases short-circuit currents in electrically stimulated isolated canine tracheal epithelial cells when applied submucosally. Ambroxol (T0920) decreases IL-13-induced production of mucin 5AC (MUC5AC) in primary human airway epithelial cells and inhibits IL-13-induced decreases in the mucociliary transport rate of endogenous particles in the same cells. Ambroxol (T0920) increases phenol red secretion, a marker of expectorant activity, in mice when administered at doses of 30, 60, or 120 mg/kg. Formulations containing ambroxol have been used in the treatment of acute or chronic respiratory conditions.
Targets(IC50)	Autophagy, glycosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6101 mL	13.0504 mL	26.1008 mL
5 mM	0.522 mL	2.6101 mL	5.2202 mL
10 mM	0.261 mL	1.305 mL	2.6101 mL
50 mM	0.0522 mL	0.261 mL	0.522 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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