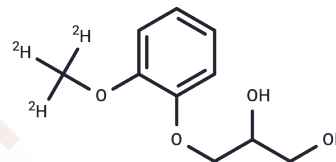


Guaifenesin-D3

Chemical Properties

CAS No. :	1189924-85-3
Formula:	C10H11D3O4
Molecular Weight:	201.23
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	Guaifenesin-D3 is intended for use as an internal standard for the quantification of guaifenesin by GC- or LC-MS. Guaifenesin (T0739) is an expectorant. It inhibits production of mucin 5AC (MUC5AC), reduces mucus viscosity and elasticity, and increases the mucociliary transport rate of endogenous particles in primary human tracheobronchial epithelial cells in a concentration-dependent manner. Guaifenesin (T0739) increases phenol red secretion, a marker of expectorant activity, in rats. ³ Formulations containing guaifenesin have been used as expectorants in the treatment of the common cold and chronic bronchitis.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9694 mL	24.8472 mL	49.6944 mL
5 mM	0.9939 mL	4.9694 mL	9.9389 mL
10 mM	0.4969 mL	2.4847 mL	4.9694 mL
50 mM	0.0994 mL	0.4969 mL	0.9939 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481