

Clidinium-D5 Bromide

Chemical Properties

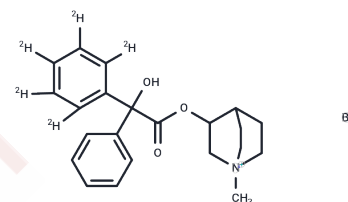
CAS No. :

Formula: C₂₂H₂₁D₅BrNO₃

Molecular Weight: 437.38

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

Clidinium-D5 Bromide is a deuterated compound of Clidinium Bromide. Clidinium Bromide (T0786) has a CAS number of 3485-62-9. Clidinium, a synthetic anticholinergic agent, has been shown in experimental and clinical researchers to have a pronounced antisecretory and antispasmodic effect on the gastrointestinal tract. It can inhibit muscarinic actions of acetylcholine at postganglionic parasympathetic neuroeffector sites. It is used for the treatment of peptic ulcer disease and also to help relieve cramps or stomach spasms or abdominal due to colicky abdominal diverticulitis, pain, and irritable bowel syndrome.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2863 mL	11.4317 mL	22.8634 mL
5 mM	0.4573 mL	2.2863 mL	4.5727 mL
10 mM	0.2286 mL	1.1432 mL	2.2863 mL
50 mM	0.0457 mL	0.2286 mL	0.4573 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.

Reference

1. Pathak A, et al. J Chromatogr Sci. 2010 Mar;48(3):235-9.

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