Data Sheet (Cat.No.T71145)

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Racecadotril-d5

Chemical Properties

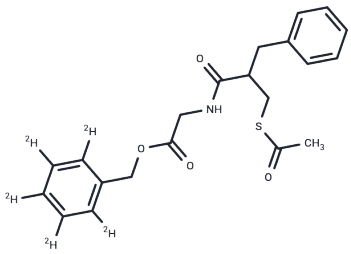
CAS No. : 1246815-11-1

Formula: C21H18D5NO4S

Molecular Weight: 390.51

Appearance: no data available

Storage: Powder -20°C for 3 years
In solvent -80°C for 2 years



Biological Description

Description	Racecadotril-d5 is intended for use as an internal standard for the quantification of racecadotril by GC- or LC-MS. Racecadotril is a prodrug form of the neprilysin (NEP) inhibitor thiorphan. In vivo, racecadotril reduces or prevents castor oil-induced diarrhea without delaying intestinal transit in rats when administered at doses of 80 or 100 mg/kg, respectively. It also decreases the duration of diarrhea and increases body weight gain in a neonatal gnotobiotic pig model of human rotavirus-induced diarrhea. Formulations containing racecadotril have been used in the treatment of acute diarrhea.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5608 mL	12.8038 mL	25.6075 mL
5 mM	0.5122 mL	2.5608 mL	5.1215 mL
10 mM	0.2561 mL	1.2804 mL	2.5608 mL
50 mM	0.0512 mL	0.2561 mL	0.5122 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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