

Glycerol phenylbutyrate-D5

Chemical Properties

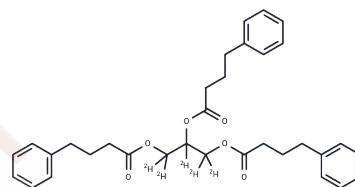
CAS No. :

Formula: C33H33D5O6

Molecular Weight: 535.68

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

Glycerol phenylbutyrate-D5 is a deuterium-labeled Glycerol phenylbutyrate. Glycerol phenylbutyrate (T15393) is a sigma-2 (σ_2) receptor ligand (pKi: 8.02).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8668 mL	9.3339 mL	18.6679 mL
5 mM	0.3734 mL	1.8668 mL	3.7336 mL
10 mM	0.1867 mL	0.9334 mL	1.8668 mL
50 mM	0.0373 mL	0.1867 mL	0.3734 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

Rescifina A, et al. Development of a Sigma-2 Receptor affinity filter through a Monte Carlo based QSAR analysis. Eur J Pharm Sci. 2017 Aug 30;106:94-101.

Oishi K, et al. Glycerol phenylbutyrate for the chronic management of urea cycle disorders. Expert Rev Endocrinol Metab. 2014 Sep;9(5):427-434.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481