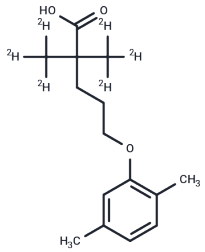
Data Sheet (Cat.No.T71306)

TargetMol

Gemfibrozil-D6

Chemical Properties



CAS No. : 1184986-45-5

Formula: C15H16D6O3

Molecular Weight: 256.37

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	Gemfibrozil-D6 is intended for use as an internal standard for the quantification of gemfibrozil by GC- or LC-MS. Gemfibrozil (T1415) is a peroxisome proliferator-activated reporter α and PPARγ agonist. In vivo, gemfibrozil reduces serum total cholesterol, triglyceride, and LDL levels in a rat model of high-cholesterol diet-induced hyperlipidemia. Gemfibrozil (T1415) reduces atherosclerotic plaque area, superoxide production, and expression of the genes encoding the NF-κB subunit p65 and chemokine (C-C) motif ligand 2 (CCL2) in ApoE-/- mice. Formulations containing gemfibrozil have been used in the treatment of high cholesterol.
Targets(IC50)	Cytochromes P450,PPAR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9006 mL	19.5031 mL	39.0061 mL
5 mM	0.7801 mL	3.9006 mL	7.8012 mL
10 mM	0.3901 mL	1.9503 mL	3.9006 mL
50 mM	0.078 mL	0.3901 mL	0.7801 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.

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