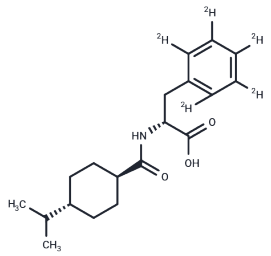
Data Sheet (Cat.No.T12178)

TargetMol

Nateglinide-D5

Chemical Properties



CAS No. : 1227666-13-8

Formula: C19H27NO3

Molecular Weight: 322.45

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	Nateglinide-D5 is a deuterium labeled Nateglinide (TMSM-4588).
Targets(IC50)	Proteasome,Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1013 mL	15.5063 mL	31.0126 mL
5 mM	0.6203 mL	3.1013 mL	6.2025 mL
10 mM	0.3101 mL	1.5506 mL	3.1013 mL
50 mM	0.062 mL	0.3101 mL	0.6203 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

Christopher J. Dunn, et al. Nateglinide. OFILE Drugs 2000 Sep: 60 (3): 6.

Shiling Hu, et al. Interaction of nateglinide with KATP channel in h-cells underlies its unique insulinotropic action. European Journal of Pharmacology. 442 (2002) 163-171.

Jian Luo, et al. Evaluating insulin secretagogues in a humanized mouse model with functional human islets. Metabolism. 2013 Jan;62(1):90-9.

Duffy NA, et al. Effects of antidiabetic drugs on dipeptidyl peptidase IV activity: nateglinide is an inhibitor of DPP IV and augments the antidiabetic activity of glucagon-like peptide-1. Eur J Pharmacol. 2007 Jul 30;568(1-3):278-86.

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