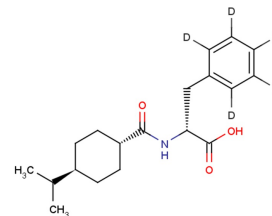


Nateglinide D5

Chemical Properties

CAS No.:	1227666-13-8
Formula:	C ₁₉ H ₂₂ D ₅ NO ₃
Molecular Weight:	322.45
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Nateglinide D5 is a deuterium labeled Nateglinide.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.101 mL	15.506 mL	31.013 mL
5 mM	0.62 mL	3.101 mL	6.203 mL
10 mM	0.31 mL	1.551 mL	3.101 mL
50 mM	0.062 mL	0.31 mL	0.62 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Christopher J. Dunn, et al. Nateglinide. OFILE Drugs 2000 Sep; 60 (3): 6.
2. 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.
3. Jian Luo, et al. Evaluating insulin secretagogues in a humanized mouse model with functional human islets. Metabolism. 2013 Jan;62(1):90-9.
4. 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.

Inhibitors · Natural Compounds · Compound Libraries

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