
Product Data Sheet

Product Name: 3'-Hydroxy Repaglinide

Cat. No.: GC39611

Chemical Properties

Cas. No. 874908-14-2

SMILES O=C(O)C1=CC=C(CC(NC(C2=CC=CC=C2N3CC(O)CCC3)CC(C)C)=O)C=C1OCCFormula $C_{27}H_{36}N_2O_5$ M.Wt 468.59

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

3'-Hydroxy Repaglinide is a main CYP2C8 metabolite of Repaglinide. Repaglinide is a carbamoylmethyl benzoic acid (CMBA) derivative, which recently has become available for the treatment of type II diabetes[1][2].

[1]. A liquid chromatography-tandem mass spectrometry analysis of nine cytochrome P450 probedrugs and their corresponding metabolites in human serum and urine. Anal Bioanal Chem. 2017 Jan;409(1):251-268. [2]. Honkalammi J, et al. Mechanism-based inactivation of CYP2C8 by gemfibrozil occurs rapidly in humans. Clin Pharmacol Ther. 2011 Apr;89(4):579-86.

Caution: Product has not been fully validated for medical applications. For research use only.

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