Data Sheet (Cat.No.T35619)

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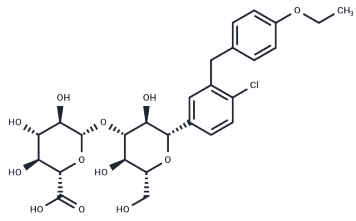
Dapagliflozin-3-O-β-D-Glucuronide

Chemical Properties



CAS No. : 1351438-75-9

Formula: C27H33ClO12

Molecular Weight: 585

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Dapagliflozin-3-O-β-D-glucuronide is a metabolite of dapagliflozin . Dapagliflozin is a first generation selective sodium glucose cotransporter (SGLT) 2 inhibitor that blocks glucose transport.[1] Dapagliflozin is metabolized by uridine diphosphate glucuronosyltransferase (UGT) 1A9 to dapagliflozin-3-O-β-D-glucuronide, which is 2,600-fold less potent than the parent compound with regard to SGLT2 inhibition.[2]

Solubility Information

Solubility	H2O: Soluble Methanol: Soluble DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7094 mL	8.547 mL	17.094 mL
5 mM	0.3419 mL	1.7094 mL	3.4188 mL
10 mM	0.1709 mL	0.8547 mL	1.7094 mL
50 mM	0.0342 mL	0.1709 mL	0.3419 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.

Reference

Chao, E.C., and Henry, R.R. SGLT2 inhibition - A novel strategy for diabetes treatment. Nature Reviews.Drug Discovery 9(7), 551-559 (2010).

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