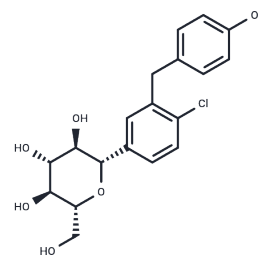


O-Desethyl Dapagliflozin

Chemical Properties

CAS No. :	864070-37-1
Formula:	C ₁₉ H ₂₁ ClO ₆
Molecular Weight:	380.82
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	O-Desethyl Dapagliflozin (Empagliflozin-4) is a SGLT2 inhibitor, IC ₅₀ =33nM.
Targets(IC ₅₀)	SGLT

Solubility Information

Solubility	DMSO: 27.5 mg/mL (72.21 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (13.13 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6259 mL	13.1296 mL	26.2591 mL
5 mM	0.5252 mL	2.6259 mL	5.2518 mL
10 mM	0.2626 mL	1.313 mL	2.6259 mL
50 mM	0.0525 mL	0.2626 mL	0.5252 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

Lansdell, Mark I.; Bioorganic & Medicinal Chemistry Letters (2008), 18(18), 4944-4947, CAplus and MEDLINE.

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