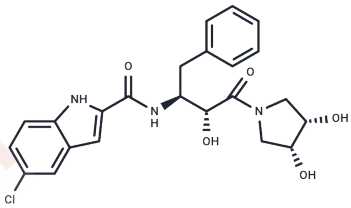
Data Sheet (Cat.No.T8493)

TargetMol

Ingliforib

Chemical Properties



CAS No. : 186392-65-4

Formula: C23H24ClN3O5

Molecular Weight: 457.91

Storage: Store at low temperature
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	Ingliforib (CP 368296) is a novel glycogen phosphorylase inhibitor with antihyperglycemic and cardioprotective properties.
Targets(IC50)	Others,Phosphorylase

Solubility Information

Solubility	DMSO: 250 mg/mL (545.96 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: 4 mg/mL (8.74 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1838 mL	10.9192 mL	21.8384 mL
5 mM	0.4368 mL	2.1838 mL	4.3677 mL
10 mM	0.2184 mL	1.0919 mL	2.1838 mL
50 mM	0.0437 mL	0.2184 mL	0.4368 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

Tracey WR, et al. Cardioprotective effects of ingliforib, a novel glycogen phosphorylase inhibitor. Am J Physiol Heart Circ Physiol. 2004 Mar;286(3):H1177-84.

Nkansah P , Antipas A , Lu Y , et al. Development and evaluation of novel solid nanodispersion system for oral delivery of poorly water-soluble drugs[J]. Journal of Controlled Release, 2013, 169(1-2):150-161.

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