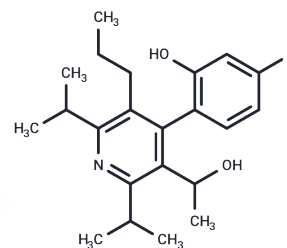


Glucagon receptor antagonists-2

Chemical Properties

CAS No. :	202917-18-8
Formula:	C ₂₂ H ₃₀ FNO ₂
Molecular Weight:	359.48
Storage:	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	Glucagon receptor antagonist -2 is a highly effective glucagon receptor antagonist.
Targets(IC50)	Others,Glucagon Receptor

Solubility Information

Solubility	DMSO: 16.67 mg/mL (46.37 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: 1.5 mg/mL (4.17 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	2.7818 mL	13.909 mL	27.818 mL
5 mM	0.5564 mL	2.7818 mL	5.5636 mL
10 mM	0.2782 mL	1.3909 mL	2.7818 mL
50 mM	0.0556 mL	0.2782 mL	0.5564 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

Ladouceur, Gaetan H. et al. Integration of optimized substituent patterns to produce highly potent 4-aryl-pyridine glucagon receptor antagonists. *Bioorganic & Medicinal Chemistry Letters* (2002), 12(23), 3421-3424.

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