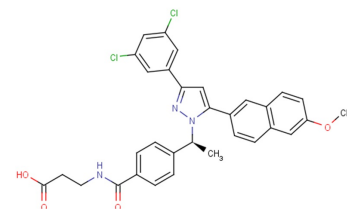


MK 0893

Chemical Properties

CAS No.:	870823-12-4
Formula:	C ₃₂ H ₂₇ Cl ₂ N ₃ O ₄
Molecular Weight:	588.48
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	MK 0893 is a potent, selective antagonist of glucagon receptor.
Targets(IC ₅₀)	glucagon receptor: 6.6 nM
In vitro	MK 0893 is active against the rhesus monkey GCGR(IC ₅₀ of 56 nM in a cAMP assay with CHO cells expressing the rhesus GCGR)[1].
In vivo	In hGCGR mice on a high fat diet, MK 0893 at 3, and 10 mpk po in feed lowers blood glucose levels by 89% and 94% at day 10, respectively, relative to the difference between the vehicle control and lean hGCGR mice[1].

Solubility Information

Solubility	DMSO: 33.33 mg/mL (56.64 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.699 mL	8.496 mL	16.993 mL
5 mM	0.34 mL	1.699 mL	3.399 mL
10 mM	0.17 mL	0.85 mL	1.699 mL
50 mM	0.034 mL	0.17 mL	0.34 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Xiong Y, et al. Discovery of a novel glucagon receptor antagonist N-[(4-((1S)-1-[3-(3,5-dichlorophenyl)-5-(6-methoxynaphthalen-2-yl)-1H-pyrazol-1-yl]ethyl)phenyl)carbonyl]-β-alanine (MK-0893) for the treatment of type II diabetes.J Med Chem. 2012 Jul 12;

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481