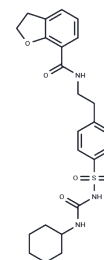


CS476

Chemical Properties

CAS No. : 41177-35-9
 Formula: C₂₄H₂₉N₃O₅
 Molecular Weight: 471.57
 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	CS476 is a potent drug of hypoglycaemic.
Targets(IC50)	Others,Potassium Channel
In vivo	CS476 has no hypoglycaemic effect in totally pancreatectomized dogs nor in streptozotocin diabetic dogs and rats. The maximal hypoglycaemia produced by intravenous administration of CS476 is comparable on a weight basis to that produced by Glibenclamide, in normal fasting dogs, rabbits, rats and mice. Randomized Latin square experiments in dogs show that CS476(0.03 mg/kg; p.o.) and of Glibenclamide cause the same maximal decrease of blood glucose and that CS476 has the shorter duration of action. The insulin releasing activity is studied in dogs after intravenous and oral administration of equipotent doses of CS476, Tolbutamide and Glibenclamide[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1206 mL	10.6029 mL	21.2058 mL
5 mM	0.4241 mL	2.1206 mL	4.2412 mL
10 mM	0.2121 mL	1.0603 mL	2.1206 mL
50 mM	0.0424 mL	0.2121 mL	0.4241 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

Jorgensen KD. The pharmacology of a new hypoglycaemic agent N-[4-(2-(2,3-dihydrobenzo(b)furan-m-carboxamido)-ethyl)-benzenesulphonyl]-N'-cyclohexylurea (NOVO CS 476). I. Pharmacological studies on the hypoglycaemic effect. Acta Pharmacol Toxicol (Copenh). 1977 Feb;40(2):216-26.

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