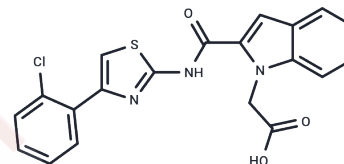


Lintript

Chemical Properties

CAS No. :	136381-85-6
Formula:	C ₂₀ H ₁₄ ClN ₃ O ₃ S
Molecular Weight:	411.86
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	Lintript (SR 27897) is a selective CCK1 antagonist with an EC ₅₀ of 6 nM for CCK1 and 200 nM for CCK2, and a K _i value of 0.2 nM for CCK1.
Targets(IC ₅₀)	Cholecystokinin Receptor
In vitro	Lintript inhibited the CCK 2 site in guinea pig cortex with an IC ₂ of 479 nM. lintript (0.5 nM) increased the dissociation constant of CCK on CCKA receptors with K _d s between 1.8 and 7.2 nM without altering the maximum number of receptors. lintript antagonized CCK-stimulated isolated rat pancreatic follicles in (amylase release and CCK-induced gallbladder contraction in guinea pigs with pA ₂ s of 7.50 and 9.57). lintript inhibited the binding of [¹²⁵ I]CCK to the rat pancreatic CCK1 receptor site with IC ₅₀ of 0.58 nM in a concentration-dependent manner[1].
In vivo	Lintript (1 mg/kg, i.v.) completely reversed CCK-induced amylase secretion. lintript inhibited CCK-induced gastric and gallbladder emptying in mice with ED ₅₀ s of 3 µg/kg and 72 µg/kg. lintript (p.o.) was active in the gallbladder emptying protocol of egg yolk-induced endogenous CCK release, with an ED ₅₀ of 27 µg/kg [1].

Solubility Information

Solubility	DMSO: 90 mg/mL (218.52 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.428 mL	12.140 mL	24.2801 mL
5 mM	0.4856 mL	2.428 mL	4.856 mL
10 mM	0.2428 mL	1.214 mL	2.428 mL
50 mM	0.0486 mL	0.2428 mL	0.4856 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

- Gully D, et al. Peripheral biological activity of SR 27897: a new potent non-peptide antagonist of CCKA receptors. *Eur J Pharmacol.* 1993 Feb 23;232(1):13-9.
- Gouldson P, et al. Contrasting roles of leu(356) in the human CCK(1) receptor for antagonist SR 27897 and agonist SR 146131 binding. *Eur J Pharmacol.* 1999 Nov 3;383(3):339-46.
- Cano V, et al. Regulation of leptin distribution between plasma and cerebrospinal fluid by cholecystokinin receptors. *Br J Pharmacol.* 2003 Oct;140(4):647-52.

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