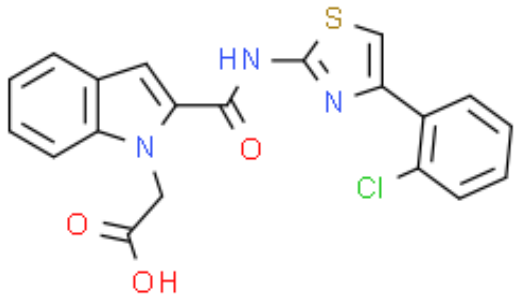
Product Data Sheet

Cas No.:	136381-85-6	Cat. No:	PC11209
Product Name:	SR 27897		
Product synonym:	2-[[[4-(2-氯苯基)-2-噻唑基]氨基]羰基]-1H-吲哚-1-乙酸		
Chemical name:	SR 27897		
MF:	C20H14N3O3SCL	FW:	411.86146
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	ClC1=CC=CC=1C1=CSC(NC(C2=CC3C(=CC=CC=3)N2CC(O)=O)=O)=N1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

CCK1受体拮抗剂,Lintitript (SR 27897) 是一种高效，选择性，口服活性，竞争性和非肽类 CCK1 受体拮抗剂，EC50 为 6 nM，Ki 为 0.2 nM。Lintitript 对 CCK1 的选择性比对 CCK2 受体的选择性高 33 倍以上 (EC50值为 200 nM)

生物活性	Lintitript (SR 27897) is a highly potent, selective, orally active, competitive and non-peptide **cholecystokinin (CCK1) receptor** antagonist with an **EC_{50}** of 6 nM and a **K_i** of 0.2 nM. Lintitript displays > 33-fold selectivity more selective for **CCK1** than CCK2 receptors (**EC_{50}** value of 200 nM). Lintitript increases plasma concentration of leptin and food intake as well as plasma concentration of insulin.
IC50 & Target[1][2]	EC50: 6 nM (cholecystokinin (CCK1) receptor); Ki: 0.2 nM (cholecystokinin (CCK1) receptor)

体外研究(In Vitro)	体外研究, Lintitript (SR 27897) is a competitive antagonist of cholecystokinin (CCK)-stimulated amylase release in isolated rat pancreatic acini (pA_2 = 7.50) and of CCK-induced guinea pig gall bladder contractions (pA_2 = 9.57). Lintitript produces concentration dependent inhibition of [I]CCK binding to CCK1 receptor sites in the rat pancreas (IC_{50} value of 0.58 nM) and also to CCK 2 sites in the guinea pig cortex (IC_2 value of 479 nM). Lintitript inhibits [I]gastrin binding to gastrin receptors. Lintitript (0.5 nM) increases the dissociation constant of CCK for the CCK A receptor (K_d = 1.8 to 7.2 nM) without modifying the maximum number of receptors (B_{max} = 1800 to 1770 fmol/mg). **Medlife has not independently confirmed the accuracy of these methods. They are for reference only.**
体内研究(In Vivo)	Lintitript (SR 27897; 1 mg/kg, i.v.) completely reverses the CCK-induced amylase secretion. Lintitript also inhibits CCK-induced gastric and gallbladder emptying in mice (ED_{50}s = 3 and 72 μg/kg, respectively). Lintitript is also very active (ED_{50} = 27 μg/kg p.o.) in the gall bladder emptying protocol with egg yolk as an inducer of endogenous CCK release. **Medlife has not independently confirmed the accuracy of these methods. They are for reference only.**
包装储存	Powder **-20°C** 3 years **4°C** 2 years In solvent **-80°C** 6 months **-20°C** 1 month
溶解度数据	*体外研究:* **DMSO : 100 mg/mL (242.80 mM;** Need ultrasonic)

配制储备溶液	溶剂体积 / 质量 / 浓度	1 mg	5 mg	10 mg
	1 mM	2.4280 mL	12.1400 mL	24.2801 mL
	5 mM	0.4856 mL	2.4280 mL	4.8560 mL
	10 mM	0.2428 mL	1.2140 mL	2.4280 mL

* 产品不同，其溶解度不同。建议根据产品选择合适的溶剂配制储备溶液；配成溶液后，**建议分装保存，避免反复冻融造成的产品失效**。

储备液的保存方式和期限： -80°C, 6 months; -20°C, 1 month。-80°C 储存时，建议在 6 个月内使用，-20°C 储存时，建议在 1 个月内使用。