

Product Name: SR 27897

Catalog No.: 2190

Batch No.: 3

CAS Number: 136381-85-6

IUPAC Name: 2-[[[4-(2-Chlorophenyl)-2-thiazolyl]amino]carbonyl]-1*H*-indole-1-acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₄ClN₃O₃S·¾H₂O

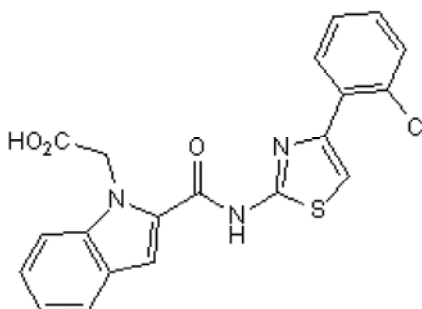
Batch Molecular Weight: 425.37

Physical Appearance: Off-white solid

Solubility: DMSO to 50 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.8% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	56.47	3.67	9.88
Found	56.46	3.47	9.82

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Potent, non-peptide CCK₁ receptor antagonist that displays > 33-fold selectivity over CCK₂ receptors (EC₅₀ values are 6 and 200 nM respectively). Causes an increase in plasma leptin levels and increases food intake in rats in vivo.

Physical and Chemical Properties:

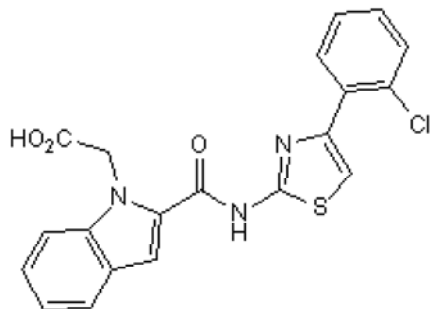
Batch Molecular Formula: C₂₀H₁₄ClN₃O₃S.¾H₂O

Batch Molecular Weight: 425.37

Physical Appearance: Off-white solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Cano et al (2003) Regulation of leptin distribution between plasma and cerebrospinal fluid by cholecystokinin receptors. *Br.J.Pharmacol.* **140** 647. PMID: 14534148.

Gouldson et al (1999) Contrasting roles of Leu356 in the human CCK1 receptor for antagonist SR 27897 and agonist SR 146131 binding. *Eur.J.Pharmacol.* **383** 339. PMID: 10594328.

Gully et al (1993) Peripheral biological activity of SR 27897: a new potent non-peptide antagonist of CCKA receptors. *Eur.J.Pharmacol.* **23** 232.

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