

**Product Name:** Loxiglumide

**Catalog No.:** 3036

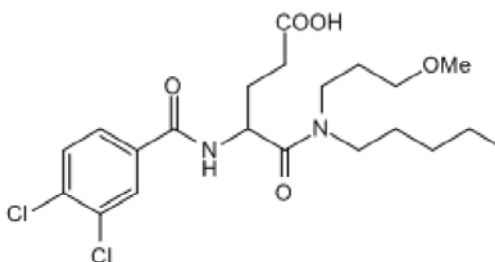
**Batch No.:** 1

CAS Number: 107097-80-3

IUPAC Name: 4-[(3,4-Dichlorobenzoyl)amino]-5-[(3-methoxypropyl)pentylamino]-5-oxopentanoic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>21</sub>H<sub>30</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>5</sub>  
**Batch Molecular Weight:** 461.38  
**Physical Appearance:** Off White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 97.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	54.67	6.55	6.07
Found	54.66	6.5	5.85

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**Description:**

CCK1 antagonist. Suppresses CCK-induced proliferation of acinar cells. Inhibits pancreatic secretion of digestive enzymes. Active in vivo.

**Physical and Chemical Properties:**

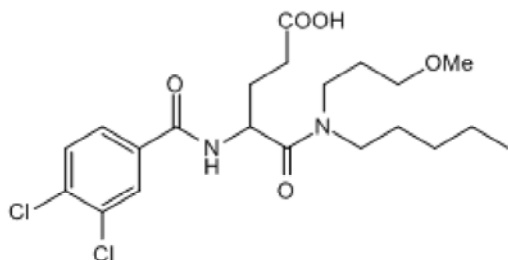
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Batch Molecular Weight: 461.38

Physical Appearance: Off White solid

**Minimum Purity:** >97%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 100 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:**

**Kanemitsu *et al*** (2006) Effects of the cholecystokinin A receptor antagonist loxiglumide on the proliferation and cell cycle time of pancreatic acinar cells in rats. *Pancreas* **32** 190. PMID: 16552340.

**Nakano S *et al*** (1995) Effect of the cholecystokinin receptor antagonist loxiglumide on pancreatic exocrine function in rats after acute pancreatitis. *Pancreas* **10** 287. PMID: 7542770.

**Makovec *et al*** (1986) New glutamic and aspartic derivatives with potent CCK-antagonistic activity. *Eur. J. Med.Chem.* **21** 9.

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