

Product Data Sheet

Product Name: Dexloxiglumide

Cat. No.: GC35846

Chemical Properties

Cas. No. 119817-90-2

SMILES O=C(O)CC[C@@H](NC(C1=CC=C(Cl)C(Cl)=C1)=O)C(N(CCCOC)CCCC)=O

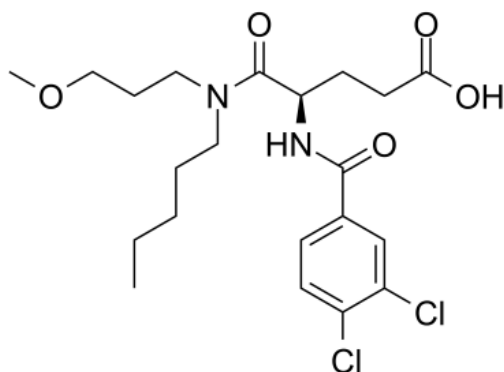
Formula $C_{21}H_{30}Cl_2N_2O_5$ M.Wt 461.38

Solubility DMSO: 50 mg/mL (108.37 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Dexloxiglumide is a selective cholecystokinin type A (CCKA) receptor antagonist[1]. Dexloxiglumide, the active enantiomer of Loxiglumide, inhibits smooth muscle cell contractions induced by cholecystokinin-octapeptide (CCK-8)[2].

[1]. Scarpignato C, et al. Effect of dexloxiglumide and spiroglumide, two new CCK-receptor antagonists, on gastric emptying and secretion in the rat: evaluation of their receptor selectivity in vivo. Aliment Pharmacol Ther. 1996 Jun;10(3):411-9. [2]. Maselli MA, et al. CCK1 receptor

Caution: Product has not been fully validated for medical applications. For research use only.

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antagonist, dexloxiglumide: effects on human isolated gallbladder. Potential clinical applications.
Minerva Gastroenterol Dietol. 2003 Sep;49(3):211-6.

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