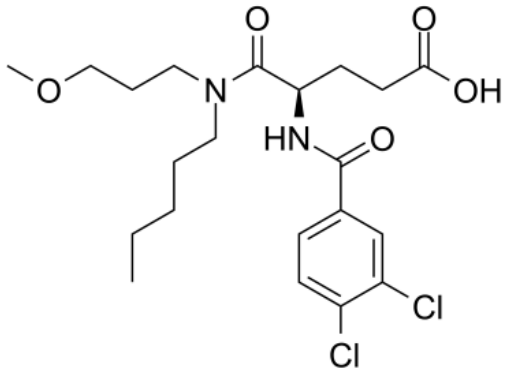
Product Data Sheet

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)CCCCC)=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

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