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Data Sheet

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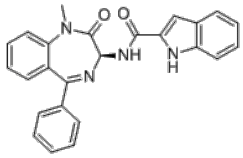
Product Name	:	Devazepide
Cat. No.	:	PC-22021
CAS No.	:	103420-77-5
Molecular Formula	:	$C_{25}H_{20}N_4O_2$
Molecular Weight	:	408.46
Target	:	Cholecystokinin Receptor
Solubility	:	10 mM in DMSO



Biological Activity

Devazepide (L-364,718) is a potent, competitive, selective and orally active nonpeptide antagonist of peripheral cholecystokinin (CCK) receptor with IC50 of 81 pM, 45 pM and 245 nM for rat pancreatic, bovine gallbladder and guinea pig brain CCK receptors.
Devazepide is a competitive CCK antagonist, which lacks agonist activity.
Devazepide exhibits a very high selectivity for peripheral CCK receptors relative to brain CCK, gastrin, and various other peptide and nonpeptide receptors in both in vitro radioligand and isolated tissue assays.
Devazepide (0.1 mg/kg) markedly antagonized the contractions of the guinea pig gallbladder produced by intravenous administration of CCK for at least 2 hr.
Devazepide (ED50, 0.04 mg/kg, oral) is highly effective as an antagonist of CCK-induced inhibition of gastric emptying in mice.

References

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Lotti VJ, et al. J Pharmacol Exp Ther. 1987 Apr;241(1):103-9.

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