Product Data Sheet

Product Name: Dazopride (AHR-5531)
Cat. No.: GC33555

Chemical Properties

Cas. No.	70181-03-2		
SMILES	O=C(NC1CN(CC)N(CC)C1)C2=CC(Cl)=C(N)C=C2OC		
Formula	$C_{15}H_{23}ClN_4O_2$	M.Wt	326.82
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	Dazopride (AHR-5531)		

Background

Dazopride is an antiemetic agent.

Dazopride (0.3 mg/kg) produces significant enhancement of gastric evacuation and is approximately six times more potent than metoclopramide in gastric evacuation assay. Dazopride (0.3-10.0 mg/kg, i.v.) produces a dose-related increase in antral motility primarily by increasing the amplitude of antral contractions in three conscious dogs. Dazopride significantly reduces the emetic frequency from that of the control group[1]. Dazopride (5 mg/kg, i.p.) antagonises the tetralin-induced emesis in all animals, but fails to antagonise the response at 0.25-2.5 mg/kg. Dazopride fails to modify cisplatin-induced emesis at 0.1 mg/kg (i.v,) although a larger dose of 1.0 mg/kg abolishes or attenuates the response and 5.0 mg/kg of dazopride antagonises the development ofemesis in all animals[2].

[1]. Alphin RS, et al. Antagonism of cisplatin-induced emesis by metoclopramide and dazopride through enhancement of gastric motility. Dig Dis Sci. 1986 May;31(5):524-9.
[2]. Costall B, et al. The action of dazopride to enhance gastric emptying and block emesis. Neuropharmacology. 1987 Jul;26(7A):669-77.

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