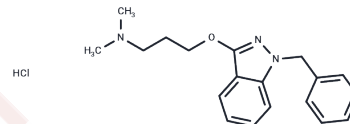


Benzydamine hydrochloride

Chemical Properties

CAS No. :	132-69-4
Formula:	C ₁₉ H ₂₃ N ₃ O·HCl
Molecular Weight:	345.87
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Benzydamine hydrochloride (AF864), a locally-acting nonsteroidal anti-inflammatory drug, has local anaesthetic and analgesic properties.
Targets(IC50)	Antibacterial, COX, PGE Synthase, TNF
In vivo	Benzydamine significantly lower the incidence of postoperative sore throat (POST). At 6 hours after extubation, the incidence of POST is 17.0%. Spraying benzydamine hydrochloride on the ETT cuff is a simple and effective method to reduce the incidence and severity of POST. [2]

Solubility Information

Solubility	DMSO: 45 mg/mL (130.11 mM), Sonication is recommended. Ethanol: 64 mg/mL (185.04 mM), Sonication is recommended. H ₂ O: 63 mg/mL (182.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8913 mL	14.4563 mL	28.9126 mL
5 mM	0.5783 mL	2.8913 mL	5.7825 mL
10 mM	0.2891 mL	1.4456 mL	2.8913 mL
50 mM	0.0578 mL	0.2891 mL	0.5783 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Epstein JB, et al. Int J Radiat Oncol Biol Phys, 1989, 16(6), 1571-1575.

Hung NK, et al. Anesth Analg, 2010, 111(4), 882-886.

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