Data Sheet (Cat.No.T20655)

TargetMol
A DRUG SCREENING EXPERT

Polidronium chloride

Chemical Properties

CAS No.:	75345-27-6
Formula:	C22H51Cl3N3O6
Molecular Weight:	810.21
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Polidronium chloride has the characteristics of strong bacteriostasis and little eye irritation, used in anti-glaucoma combination eye drops.

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.234 mL	6.171 mL	12.342 mL
5 mM	0.247 mL	1.234 mL	2.468 mL
10 mM	0.123 mL	0.617 mL	1.234 mL
50 mM	0.025 mL	0.123 mL	0.247 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Kinnunen K, Kauppinen A, Piippo N, Koistinen A, Toropainen E, Kaarniranta K. Cationorm shows good tolerability on human HCE-2 corneal epithelial cell cultures. Exp Eye Res. 2014 Mar;120:82-9. doi: 10.1016/j.exer.2014.01.006. Epub 2014 Jan 22. PubMed PMID: 24462278.

2. Nagai N, Murao T, Oe K, Ito Y, Okamoto N, Shimomura Y. [In vitro evaluation for corneal damages by anti-glaucoma combination eye drops using human corneal epithelial cell (HCE-T)]. Yakugaku Zasshi. 2011;131(6):985-91. Japanese. PubMed PMID: 21628988.

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