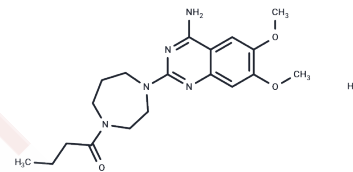


Bunazosin Hydrochloride

Chemical Properties

CAS No. :	52712-76-2
Formula:	C ₁₉ H ₂₈ ClN ₅ O ₃
Molecular Weight:	409.91
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	Bunazosin Hydrochloride (E 1015) is an alpha(1)-adrenoceptor antagonist used as a systemic antihypertensive and an ocular hypotensive drug.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 5 mg/mL (12.2 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	2.4396 mL	12.1978 mL	24.3956 mL
5 mM	0.4879 mL	2.4396 mL	4.8791 mL
10 mM	0.244 mL	1.2198 mL	2.4396 mL
50 mM	0.0488 mL	0.244 mL	0.4879 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

- Goto W, Ichikawa M, Tanaka E, Hara H, Araie M. Bunazosin hydrochloride reduces glutamate-induced neurotoxicity in rat primary retinal cultures. *Brain Res.* 2004 Apr 2;1003(1-2):130-7. PubMed PMID: 15019572.
- Kobayashi H, Kobayashi K, Okinami S. Efficacy of bunazosin hydrochloride 0.01% as adjunctive therapy of latanoprost or timolol. *J Glaucoma.* 2004 Feb;13(1):73-80. PubMed PMID: 14704548.
- Yoshikawa K, Katsushima H, Kimura T, Yamagishi K, Yamabayashi S. Addition of or switch to topical bunazosin hydrochloride in elderly patients with normal-tension glaucoma: A one-year follow-up study. *Jpn J Ophthalmol.* 2006 Sep-Oct;50(5):443-8. PubMed PMID: 17013697.
- Okada Y, Ichikawa M, Ishii K, Hara H. Effects of topically instilled bunazosin hydrochloride and other ocular hypotensive drugs on endothelin-1-induced constriction in rabbit retinal arteries. *Jpn J Ophthalmol.* 2004 Sep-Oct; 48(5):465-9. PubMed PMID: 15486769.

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