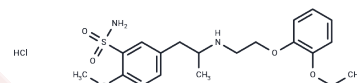


Tamsolusin Hydrochloride

Chemical Properties

CAS No. :	80223-99-0
Formula:	C ₂₀ H ₂₉ ClN ₂ O ₅ S
Molecular Weight:	444.97
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Tamsolusin Hydrochloride (YM 12617) is a highly selective alpha-1A adrenergic receptor antagonist used in the treatment of benign prostatic hypertrophy.
Targets(IC50)	Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2473 mL	11.2367 mL	22.4734 mL
5 mM	0.4495 mL	2.2473 mL	4.4947 mL
10 mM	0.2247 mL	1.1237 mL	2.2473 mL
50 mM	0.0449 mL	0.2247 mL	0.4495 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

Takenaka T, et al. [Discovery and development of tamsulosin hydrochloride, a new alpha 1-adrenoceptor antagonist]. Yakugaku Zasshi. 1995 Oct;115(10):773-89. Japanese.

Naraparaju S, et al. Quantification of Tamsulosin Hydrochloride and Solifenacin Succinate by Discriminative Derivative Synchronous Emission Spectroscopy. Turk J Pharm Sci. 2018 Aug;15(2):149-155.

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