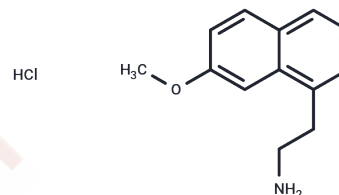


2-(7-Methoxy-1-naphthyl)ethylamine HCl

Chemical Properties

CAS No. :	139525-77-2
Formula:	C ₁₃ H ₁₆ ClNO
Molecular Weight:	237.73
Storage:	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	2-(7-Methoxy-1-naphthyl)ethylamine hydrochloride is the impurity of Agomelatine, an antidepressant.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (231.35 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	4.2065 mL	21.0323 mL	42.0645 mL
5 mM	0.8413 mL	4.2065 mL	8.4129 mL
10 mM	0.4206 mL	2.1032 mL	4.2065 mL
50 mM	0.0841 mL	0.4206 mL	0.8413 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

Plachká K, et al. Development, validation and comparison of UHPSFC and UHPLC methods for the determination of agomelatine and its impurities. J Pharm Biomed Anal. 2016 Jun 5;125:376-84.

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