

(S)-(-)-Anatabine

Chemical Properties

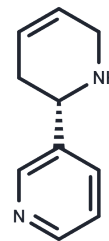
CAS No. : 581-49-7

Formula: C₁₀H₁₂N₂

Molecular Weight: 160.22

Storage: Store at low temperature, Keep away from moisture
 Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	(S)-(-)-Anatabine ((-)-Anatabine), an alkaloid present in tobacco, is an NRF2 activator that attenuates ovalbumin-induced asthma through oxidative stress and inflammation mitigation as well as up-regulation of Nrf2/HO-1 signaling in rats, and may be used in the study of autoimmune thyroiditis.
Targets(IC50)	Others, Nrf2

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.2414 mL	31.2071 mL	62.4142 mL
5 mM	1.2483 mL	6.2414 mL	12.4828 mL
10 mM	0.6241 mL	3.1207 mL	6.2414 mL
50 mM	0.1248 mL	0.6241 mL	1.2483 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

Paris D, et al. Anatabine lowers Alzheimer's A β production in vitro and in vivo. Eur J Pharmacol. 2011 Nov 30;670 (2-3):384-91.

Lai FY, et al. Levels of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) in raw wastewater as an innovative perspective for investigating population-wide exposure to third-hand smoke. Sci Rep. 2018 Sep 5;8(1):13254.

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