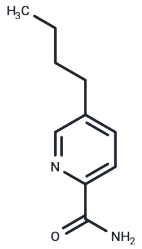
Data Sheet (Cat.No.T30615)

TargetMol

Bupicomide

Chemical Properties



CAS No. : 22632-06-0

Formula: C10H14N2O

Molecular Weight: 178.23

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	Bupicomide is a dopamine beta hydroxylase inhibitor with antihypertensive and vasodilatory activity that reduces 14C-norepinephrine biosynthesis of 14C-dopamine and can be used to study hypertension.
Targets(IC50)	Hydroxylase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6107 mL	28.0536 mL	56.1073 mL
5 mM	1.1221 mL	5.6107 mL	11.2215 mL
10 mM	0.5611 mL	2.8054 mL	5.6107 mL
50 mM	0.1122 mL	0.5611 mL	1.1221 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

Velasco M, et al. Antihypertensive effect of a dopamine beta hydroxylase inhibitor, bupicomide: a comparison with hydralazine. Clin Pharmacol Ther. 1975 Aug;18(2):145-53.

Chrysant SG,et al. Systemic and renal hemodynamic effects of bupicomide: a new vasodilator. Am Heart J. 1976 Sep;92(3):335-9.

Velasco M, et al. Physiologic mechanisms of bupicomide- and hydralazine-induced increase in plasma renin activity in hypertensive patients. Mayo Clin Proc. 1977 Jul;52(7):430-2.

Fung KK, et al. Rapid GLC determination of fusaric acid in biological fluids. J Pharm Sci. 1976 Apr;65(4):596-08.

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