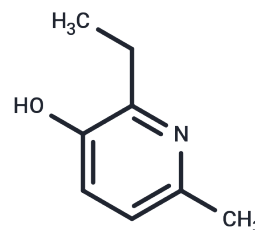


Emoxipine

Chemical Properties

CAS No. :	2364-75-2
Formula:	C ₈ H ₁₁ NO
Molecular Weight:	137.18
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	Emoxipine (2-ETHYL-3-HYDROXY-6-METHYLPYRIDINE) is an antidepressant agent.
Targets(IC50)	Others
In vivo	The influence of emoxipine (2-ethyl-6-methyl-3-hydroxypyridine hydrochloride) and mexidol (2-ethyl-6-methyl-3-hydroxypyridine succinate) on the content of lipid peroxidation products in peripheral blood and the dynamics of clinical symptoms of gastrointestinal tract pathology has been studied in patients of middle and senile age with atherosclerosis in the abdominal aorta. It is established that a two-week 3-hydroxypyridine derivatives leads to a decrease in the level of lipid peroxidation products. The administration of emoxipine led to the most pronounced control of pain.

Solubility Information

Solubility	DMSO: 27.5 mg/mL (200.47 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	7.2897 mL	36.4485 mL	72.8969 mL
5 mM	1.4579 mL	7.2897 mL	14.5794 mL
10 mM	0.729 mL	3.6448 mL	7.2897 mL
50 mM	0.1458 mL	0.729 mL	1.4579 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

A I Dolgushina. [Efficacy of emoxipine and mexidol in patients with chronic disorders of the digestive system and atherosclerosis of the abdominal aorta].]. Eksperimentalnaia I Klinicheskaia Farmakologija, 2011, 74(12):11.
I A Volchegorskii, I Yu Miroshnichenko.et al. Anxiolytic and antidepressant effects of emoxipine, reamberin and mexidol in experimental diabetes mellitus]]. Zhurnal Nevrologii I Psikhatrii Im.s.s.korsakova, 2017.

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