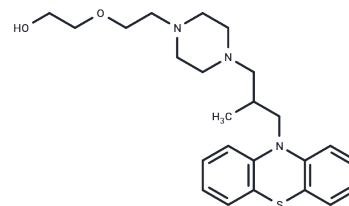


Dixyrazine

Chemical Properties

CAS No. :	2470-73-7
Formula:	C ₂₄ H ₃₃ N ₃ O ₂ S
Molecular Weight:	427.6
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Dixyrazine (UCB 3412) has a transient antihypertensive effect, prevents cerebral edema induced by injections of ichthyosperm sulfate, and may be used in the study of neurologically related disorders.
Targets(IC50)	Others
In vivo	Pretreatment with Dixyrazine (10 mg/kg) completely prevents brain edema and significantly reduces the increase of albumin in cerebrospinal fluid (CSF)[2]. In conscious rats subjected to acute hypertension provoked by i.v. adrenaline or bicuculline, the phenothiazine Dixyrazine (5 mg/kg i.v.) has minimal, transient hypotensive effects but significantly reduces the leakage of 126I labeled serum albumin. The diameters of pial arteries and veins are continuously measured with a multichannel videoangiometer through a closed cranial window in anesthetized rats before and after i.v. injection of Dixyrazine (5 mg/kg). Dixyrazine, at a dose of 5 mg/kg, induces a slight transitory decrease in blood pressure (10-20 mm Hg). The maximum mean arterial pressure (MAP) is slightly but not significantly lower in Dixyrazine-treated rats[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (187.09 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	2.3386 mL	11.6932 mL	23.3863 mL
5 mM	0.4677 mL	2.3386 mL	4.6773 mL
10 mM	0.2339 mL	1.1693 mL	2.3386 mL
50 mM	0.0468 mL	0.2339 mL	0.4677 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.

Reference

Johansson BB, et al. Phenothiazine-mediated protection of the blood-brain barrier during acute hypertension. Stroke. 1982 Mar-Apr;13(2):220-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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