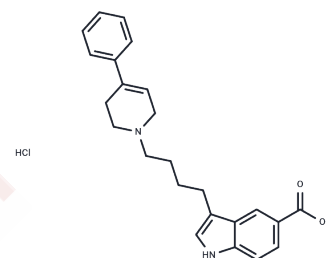


Carmoxirole hydrochloride

Chemical Properties

CAS No. :	115092-85-8
Formula:	C ₂₄ H ₂₇ ClN ₂ O ₂
Molecular Weight:	410.94
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	Carmoxirole hydrochloride (EMD 45609 hydrochloride) is a selective dopamine D ₂ receptor agonist with in vivo antihypertensive activity.
Targets(IC ₅₀)	Dopamine Receptor

Solubility Information

Solubility	H ₂ O: < 0.1 mg/mL (insoluble), Sonication and heating to 60°C are recommended. DMSO: 20 mg/mL (48.67 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.87 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4334 mL	12.1672 mL	24.3345 mL
5 mM	0.4867 mL	2.4334 mL	4.8669 mL
10 mM	0.2433 mL	1.2167 mL	2.4334 mL
50 mM	0.0487 mL	0.2433 mL	0.4867 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

Haase AF, et al. Neurochemical profile of EMD 45609 (carmoxirole), a dopamine DA2-receptor agonist. Naunyn Schmiedebergs Arch Pharmacol. 1991 Jun;343(6):588-94.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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