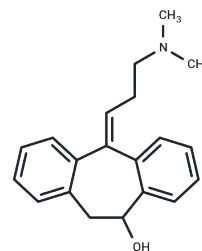


Z-10-Hydroxyamitriptyline

Chemical Properties

CAS No. :	72402-20-1
Formula:	C ₂₀ H ₂₃ NO
Molecular Weight:	293.40
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	Z-10-Hydroxyamitriptyline is a racemic alcohol metabolite of the antidepressant amitriptyline, which is excreted in the patient's urine.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4083 mL	17.0416 mL	34.0832 mL
5 mM	0.6817 mL	3.4083 mL	6.8166 mL
10 mM	0.3408 mL	1.7042 mL	3.4083 mL
50 mM	0.0682 mL	0.3408 mL	0.6817 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

- Nusser E, et al. Enantiomer analysis of E- and Z-10-hydroxyamitriptyline in human urine. J Chromatogr. 1990 Jun 8; 528(1):163-71.
- Ulrich S, Isensee T, Pester U. Simultaneous determination of amitriptyline, nortriptyline and four hydroxylated metabolites in serum by capillary gas-liquid chromatography with nitrogen-phosphorus-selective detection. J Chromatogr B Biomed Appl. 1996 Oct 11;685(1):81-9. PubMed PMID: 8930756.
- Breyer-Pfaff U, Becher B, Nusser E, Nill K, Baier-Weber B, Zaunbrecher D, Wachsmuth H, Prox A. Quaternary N-glucuronides of 10-hydroxylated amitriptyline metabolites in human urine. Xenobiotica. 1990 Jul;20(7):727-38. PubMed PMID: 2238706.
- Nusser E, Nill K, Breyer-Pfaff U. Enantiomer analysis of E- and Z-10-hydroxyamitriptyline in human urine. J Chromatogr. 1990 Jun 8;528(1):163-71. PubMed PMID: 2384550.

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