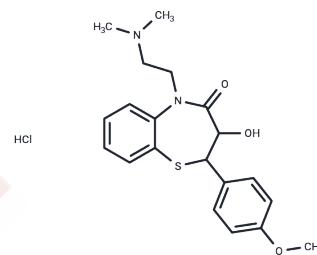


Deacetyldiltiazem

Chemical Properties

CAS No. :	42399-40-6
Formula:	C ₂₀ H ₂₅ ClN ₂ O ₃ S
Molecular Weight:	408.94
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	Deacetyldiltiazem is a metabolite product of Diltiazem which is a coronary vasodilator, and is present in the plasma of individuals taking Diltiazem.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4453 mL	12.2267 mL	24.4535 mL
5 mM	0.4891 mL	2.4453 mL	4.8907 mL
10 mM	0.2445 mL	1.2227 mL	2.4453 mL
50 mM	0.0489 mL	0.2445 mL	0.4891 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

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- Qiang F, Kang KW, Han HK. Repeated dosing of piperine induced gene expression of P-glycoprotein via stimulated pregnane-X-receptor activity and altered pharmacokinetics of diltiazem in rats. *Biopharm Drug Dispos.* 2012 Nov; 33(8):446-54. doi: 10.1002/bdd.1811. Epub 2012 Sep 18. PubMed PMID: 22927137.
- Choi DH, Choi JS, Li C, Choi JS. Effects of simvastatin on the pharmacokinetics of diltiazem and its main metabolite, desacetyldiltiazem, after oral and intravenous administration in rats: possible role of P-glycoprotein and CYP3A4 inhibition by simvastatin. *Pharmacol Rep.* 2011;63(6):1574-82. PubMed PMID: 22358108.
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