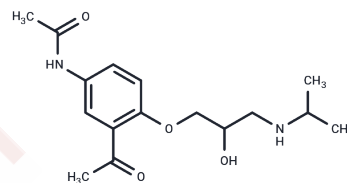


Diacetolol

Chemical Properties

CAS No. :	22568-64-5
Formula:	C ₁₆ H ₂₄ N ₂ O ₄
Molecular Weight:	308.37
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	Diacetolol is the major metabolite of acebutolol, a selective beta blockers used to treat hypertension, angina pectoris and arrhythmia.
Targets(IC50)	Others, Drug 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	3.2429 mL	16.2143 mL	32.4286 mL
5 mM	0.6486 mL	3.2429 mL	6.4857 mL
10 mM	0.3243 mL	1.6214 mL	3.2429 mL
50 mM	0.0649 mL	0.3243 mL	0.6486 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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Sankey MG, Gulaid A, Kaye CM. Preliminary study of the disposition in man of acebutolol and its metabolite, diacetolol, using a new stereoselective hplc method. *J Pharm Pharmacol*. 1984 Apr;36(4):276-7. PubMed PMID: 6144783.

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