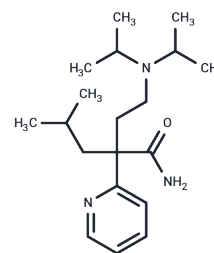


Pentisomide

Chemical Properties

CAS No. :	78833-03-1
Formula:	C ₁₉ H ₃₃ N ₃ O
Molecular Weight:	319.48
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	Pentisomide is a class-I antiarrhythmic agent with a marked effect on depolarization (action of class Ia and Ic) and on repolarization. Pentisomide dose-dependently inhibited ischaemia-reperfusion arrhythmia. Pentisomide had been in phase II clinical trial for the treatment of arrhythmias.
Targets(IC50)	Others,Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1301 mL	15.6504 mL	31.3009 mL
5 mM	0.626 mL	3.1301 mL	6.2602 mL
10 mM	0.313 mL	1.565 mL	3.1301 mL
50 mM	0.0626 mL	0.313 mL	0.626 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

Olsson SB, Edvardsson N, Newell PA, Yuan S, Zeng Z. Effect of pentisomide (CM 7857) on myocardial excitation, conduction, repolarization, and refractoriness. An electrophysiological study in humans. *J Cardiovasc Pharmacol.* 1991 Dec;18(6):849-54. PubMed PMID: 1725897.

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Hachisu M, Chen H, Soneda T, Fujishima K, Ishizuka T, Konno F. Antiarrhythmic effect related to the plasma concentration of pentisomide in vivo and the antiarrhythmic-concentration relationship in vitro. *Drugs Exp Clin Res.* 1995;21(4):145-51. PubMed PMID: 8529527.

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