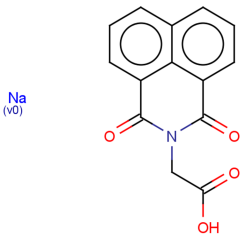
Data Sheet (Cat.No.T5195L)

TargetMol

Alrestatin Sodium

Chemical Properties



CAS No. : 51876-97-2

Formula: C14H9NNaO4

Molecular Weight: 278.219

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	Alrestatin is a specific inhibitor of the aldose reductase enzyme.
Targets(IC50)	Others,Reductase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5943 mL	17.9714 mL	35.9428 mL
5 mM	0.7189 mL	3.5943 mL	7.1886 mL
10 mM	0.3594 mL	1.7971 mL	3.5943 mL
50 mM	0.0719 mL	0.3594 mL	0.7189 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

Lippmann W, Seethaler K, Borella LE, Pugsley TA. Alrestatin: gastric acid antisecretory-antiulcer activity in the rat. Digestion. 1978;18(1-2):35-44. PubMed PMID: 103765.

Kobric M, Lippmann W. Effect of alrestatin sodium on glucose-stimulated insulin secretion in the fasted anaesthetized rat. Horm Metab Res. 1978 Nov;10(6):495-500. PubMed PMID: 744568.

Srivastava SK, Ansari NH, Bhatnagar A, Hair G, Liu S, Das B. Activation of aldose reductase by nonenzymatic glycosylation. Prog Clin Biol Res. 1989;304:171-84. PubMed PMID: 2506561.

Brogard JM, Caro-Sampara F, Blicklé JF. [Role of polyols in the development of diabetic complications. Value of aldose-reductase inhibitors]. Rev Med Interne. 1992 Jan-Feb;13(1):69-79. Review. French. PubMed PMID: 1410879.

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