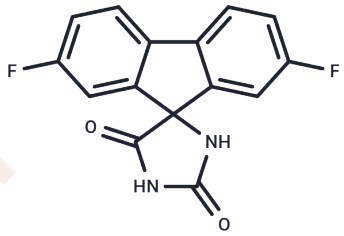
Data Sheet (Cat.No.T15568)

TargetMol

Imirestat

Chemical Properties



CAS No. : 89391-50-4

Formula: C15H8F2N2O2

Molecular Weight: 286.23

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Imirestat (HOE 843) is an aldose reductase inhibitor that can be used in diabetes research.
Targets(IC50)	Reductase
In vivo	Administration of 1 mg/kg Imirestat increased nerve conduction velocity, however, had no effect on resistance to hypoxic conduction block or deficits in insulin-stimulated Uban-sensitive ATPase activity[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (349.37 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4937 mL	17.4685 mL	34.9369 mL
5 mM	0.6987 mL	3.4937 mL	6.9874 mL
10 mM	0.3494 mL	1.7468 mL	3.4937 mL
50 mM	0.0699 mL	0.3494 mL	0.6987 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.

Reference

Carrington AL, et al. Aldose reductase inhibition with imirestat-effects on impulse conduction and insulin-stimulation of Na+/K(+)-adenosine triphosphatase activity in sciatic nerves of streptozotocin-diabetic rats. Diabetologia. 1991 Jun;34(6):397-401.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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