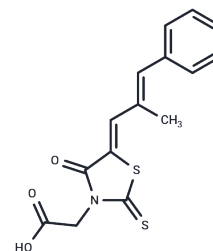


Epalrestat

Chemical Properties

CAS No. :	82159-09-9
Formula:	C ₁₅ H ₁₃ NO ₃ S ₂
Molecular Weight:	319.4
Appearance:	no data available
Storage:	keep away from direct sunlight,keep away from moisture
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Epalrestat (ONO2235), an aldose reductase inhibitor, is well tolerated in Long-term therapy. It can effectually ameliorate the associated symptoms of diabetic neuropathy and delay the progression of the disease, particularly in patients with limited microangiopathy and good glycemic control.
Targets(IC50)	Reductase

Solubility Information

Solubility	DMSO: 9 mg/mL (28.18 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1309 mL	15.6544 mL	31.3087 mL
5 mM	0.6262 mL	3.1309 mL	6.2617 mL
10 mM	0.3131 mL	1.5654 mL	3.1309 mL
50 mM	0.0626 mL	0.3131 mL	0.6262 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

Ramirez MA, et al. Pharmacotherapy. 2008 May; 28(5):646-55.

Xiao P, Hu Z, Lang J, et al.Mannose metabolism normalizes gut homeostasis by blocking the TNF- α -mediated proinflammatory circuit.Cellular & Molecular Immunology.2022: 1-12.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481