
Product Data Sheet

Product Name: Zenarestat

Cat. No.: GC63990

Chemical Properties

Cas. No. 112733-06-9

Formula C₁₇H₁₁BrClFN₂O₄

M.Wt 441.64

Solubility DMSO : 100 mg/mL (226.43 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Zenarestat is a potent and orally active aldose reductase inhibitor. Zenarestat improves diabetic peripheral neuropathy in Zucker diabetic fatty rats[1].

Zenarestat (3.2, 32 mg/kg; p.o.; daily for 8 weeks) inhibits nerve sorbitol accumulation in a dose-dependent manner[1].

[1]. Shimoshige Y, et al. The effects of zenarestat, an aldose reductase inhibitor, on peripheral neuropathy in Zucker diabetic fatty rats. *Metabolism*. 2000;49(11):1395-1399.

Caution: Product has not been fully validated for medical applications. For research use only.

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