

Epalrestat, Aldose reductase inhibitor

Catalog	Unit
TBI4423-5MG	5 mg
TBI4423-25MG	25 mg

Product Details

Formal Name: 2-[(5Z)-5-[(E)-3-phenyl-2-methylprop-2-enylidene]-4-oxo-2-thioxo-3-thiazolidinyl]acetic acid

Alternate Name: ONO-2235

Molecular Formula: C₁₅H₁₃NO₃S₂

Formula Weight: 319.4

CAS Number: 82159-09-9

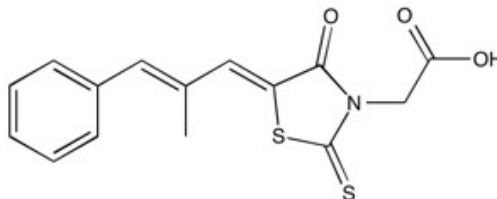
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 5 mg/ml).

Storage: -20°C

Stability: ≥ 1 year



Applications

Aldose reductase inhibitor

Functions

Epalrestat is an aldose reductase inhibitor (IC₅₀ = 10 nM (rat lens) and 25 nM (human placenta)). It reduces sorbitol accumulation in the sciatic nerve, erythrocytes and ocular tissue. May be used to prevent or slow the progression of diabetic neuropathy.

Application Procedures

First dissolved in DMSO (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.