

Product Name	: Epalrestat
Synonyms	: ONO-2235
Cat No.	: M16054
CAS Number	: 82159-09-9
Molecular Formula	: C ₁₅ H ₁₃ NO ₃ S ₂
Formula Weight	: 319.40
Chemical Name	: 3-Thiazolidineacetic acid, 5-[(2E)-2-methyl-3-phenyl-2-propen-1-ylidene]-4-oxo-2-thioxo-, (5Z)-
Description	: A noncompetitive and reversible aldose reductase inhibitor with IC ₅₀ of 10 nM and 26 nM for purified aldose reductase from rat lens and human placenta, respectively; used for the treatment of diabetic neuropathy. Diabetes Approved
Pathway	: Metabolic Enzyme/Protease
Target	: Aldose Reductase
Receptor	: Aldosereductase
Solubility	: DMSO: ≥ 3.1 mg/mL
SMILES	: <chem>O=C(O)CN(C(=O)C(SC1=C/C(C)=C/C2=CC=CC=C2)=S</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Yasuda H, et al. Diabetes. 1989 Jul;38(7):832-8. | 2. Terashima H, et al. J Pharmacol Exp Ther. 1984 Apr;229(1):226-30. | 3. Hotta N, et al. Diabet Med. 2012 Dec;29(12):1529-33.