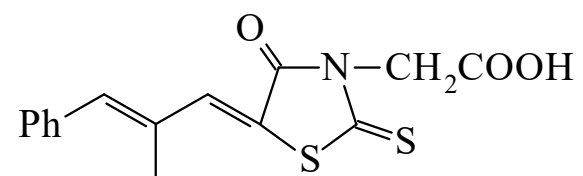




>>Entry Name: Epalrestat, INN

Synonym(s): 3-Carboxymethyl-5-(2-methyl-3-phenylpropenylidene)rhodanine. Ropestatin. Kinedak. ONO 2235



(*E,E*)-form

Type of Compound Code(s): XA0380

Molecular Formula: C₁₅H₁₃NO₃S₂

Molecular Weight: 319.405

Accurate Mass: 319.033684

Percentage Composition: C 56.41%; H 4.10%; N 4.39%; O 15.03%; S 20.08%

Use/Importance: Aldose reductase inhibitor used against diabetic neuropathy

Development Status: Launched 1992 (Japan)

>>Variant: (*E,E*)-form

CAS Registry Number: 82159-09-9

Molecular Formula: C₁₅H₁₃NO₃S₂

Molecular Weight: 319.405

Accurate Mass: 319.033684

Percentage Composition: C 56.41%; H 4.10%; N 4.39%; O 15.03%; S 20.08%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 210-217°

Other Data: Utility limited by photolability and low soly.

References:

Eur. Pat., 1982, 47 109; *CA*, **97**, 23781x, (*synth*)

Asano, T. *et al.*, *CA*, 1984, **100**, 132471x

Terashima, H. *et al.*, *J. Pharmacol. Exp. Ther.*, 1984, **229**, 226, (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 279