



CERTIFICATE OF ANALYSIS

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1. Identification

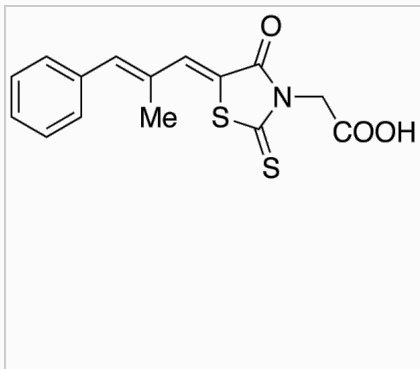
Catalogue Number: E565300

CAS Number: 82159-09-9

Product: Epalrestat

Synonym: (5Z)-5-[(2E)-2-Methyl-3-phenyl-2-propen-1-ylidene]-4-oxo-2-thioxo-3-thiazolidineacetic Acid; Eabeth; Kinedak; ONO 2235; Sorbistat;

Structure:



Molecular Formula:

C₁₅H₁₃NO₃S₂

Molecular weight:

319.4

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Sparingly)

Lot Number: 6-XJZ-164-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
NMR	Conforms to structure	Conforms
MS	Conforms to Structure	Conforms
Melting Point	Report Results	>220°C (dec.)
Elemental Analysis	Conforms	Refer: Additional Information
Appearance		Red to Dark Orange Solid
HPLC Purity	>95%	98.98% (395 nm)

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol : Acetic Acid = 9 : 1 : 0.1; Visualized with UV, AMCS, Naked Eye, and KMnO₄; Single Spot, R_f = 0.75. 1H NMR and MS conform to structure. Elemental Analysis: (Found) %C: 55.96, %H: 4.14, %N: 4.29; (Calculated) %C: 56.41, %H: 4.10, %N: 4.39

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Philip Chan			6/14/2018	6/12/2025

