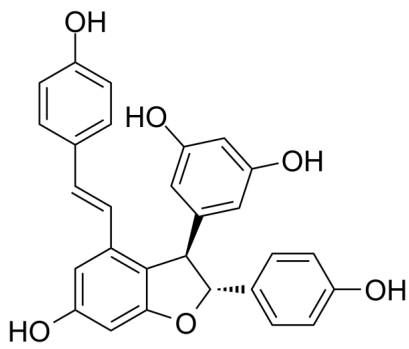


Certificate of Analysis

Catalog Number	BP16874
Product Name	ε-Viniferin

Physical and Chemical Properties

Synonyms	epsilon-Viniferin
CAS No.	62218-08-0
Chemical Formula	C ₂₈ H ₂₂ O ₆
Molecular Weight	454.478
Solubility	DMSO: 75 mg/ml (165.03 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of ε-Viniferin is a complex polycyclic molecule. It features a central chromane-like core. Attached to this core are several phenolic groups: a 4-hydroxyphenyl group via a trans-vinyl bridge, a 3,4-dihydroxyphenyl group, and a 4-hydroxyphenyl group connected to the chromane ring via a dashed bond. The molecule is highly polar due to the presence of multiple hydroxyl groups.</p>

Product Information

Description	ε-Viniferin a dimer of resveratrol, shows the inhibitory effects of epsilon-viniferin on human CYP1A1, CYP1A2, CYP1B1, CYP2A6, CYP2B6, CYP2E1, CYP3A4 and CYP4A activities.
Targets&IC50	CYP2E1:25 μM (CHZ), CYP1A2:5 μM [Ki,EROD], CYP2B6:3 μM [Ki,BROD], CYP4A:15 μM(LwOH), CYP2A6:60 μM [Ki,COH], CYP3A4:10 μM [Ki,TST]

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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