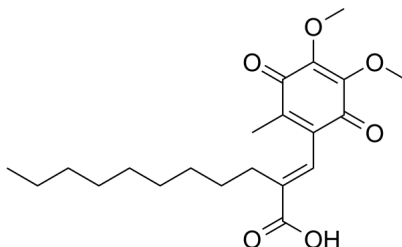


Certificate of Analysis

Catalog Number	BP13194
Product Name	E3330

Physical and Chemical Properties

CAS No.	136164-66-4
Chemical Formula	C ₂₁ H ₃₀ O ₆
Molecular Weight	378.465
Solubility	DMSO: 70 mg/mL (185 mM) H ₂ O: <1 mg/mL; Ethanol: 70 mg/mL (185 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	E3330 is a potent and selective APE1(Ref-1) inhibitor, which suppressed NF-kappa B DNA-binding activity.
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In vitro	E3330 affects hemangioblast development in vitro via inhibition of Ape1 redox activity. E3330 inhibits the growth of human pancreatic cancer cell line PANC1, XPA1, MIAPACA, BxPC3, and PK9. E3330 also promotes exit of cell cycle in PANC1 cells, inhibits the DNA-Binding activity of HIF-1 α and migration of pancreatic cancer cells. In JHH6 cells, E3330 prevents the functional activation of NF- κ B via the alteration of APE1 subcellular trafficking and reduces IL-6 and IL-8 expression induced by TNF- α and FAs accumulation through blockage of the redox-mediated activation of NF- κ B.
In vivo	In mice with endotoxin-mediated hepatitis, E3330 (300 mg/kg, p.o.) attenuates the elevation of plasma tumor necrosis factor activity and protects mice from liver injury. In Rat model, E3330 (100 mg/kg, p.o.) also protects rats from severe liver injury induced with endotoxin plus galactosamine.

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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