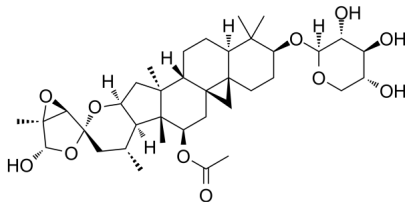


Certificate of Analysis

Catalog Number	BP10845
Product Name	Actein

Physical and Chemical Properties

CAS No.	18642-44-9
Chemical Formula	C ₃₇ H ₅₆ O ₁₁
Molecular Weight	676.83
Solubility	DMSO: 60 mg/ml (88.64 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	<p>Actein has a stimulatory effect on osteoblastic bone formation or has potential activity against osteoporosis, it also can prevent oxidative damage to osteoblasts in osteoporotic patients. Actein's ability to pathways involved in lipid disorders and carcinogenesis may make it a new agent for preventing and treating these major disorders, it has been shown to inhibit the proliferation of human breast cancer cells, by altering the activity of the ER IP3 receptor and Na,K-ATPase, inducing calcium release and modulating the NF-kB and MEK pathways.</p>
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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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