

Product Name: 1,9-Dideoxyforskolin

Catalog No.: 5034

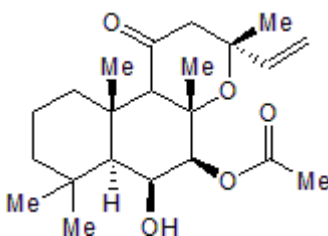
Batch No.: 1

CAS Number: 64657-18-7

IUPAC Name: (3*R*-4*aS*,5*S*,6*S*,6*aS*,10*aS*,10*bR*)-5-(Acetyloxy)-3-ethenyldodecahydro-6-hydroxy-3,4*a*,7,7,10*a*-pentamethyl-1*H*-naphtho[2,1-*b*]pyran-1-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₂ H ₃₄ O ₅
Batch Molecular Weight:	378.5
Physical Appearance:	White solid
Solubility:	DMSO to 5 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 100% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Inactive analog of forskolin (Cat. No. 1099); does not activate adenylyl cyclase.

Physical and Chemical Properties:

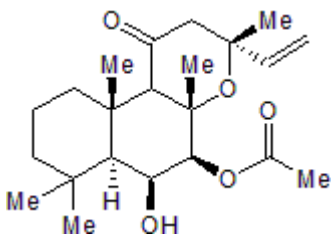
Batch Molecular Formula: C₂₂H₃₄O₅

Batch Molecular Weight: 378.5

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 5 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

McHugh and McGee (1986) Direct anesthetic-like effects of forskolin on the nicotinic acetylcholine receptors of PC12 cells. *J.Biol.Chem.* **261** 3103. PMID: 3005280.

Wadler and Wiernik (1988) Partial reversal of doxorubicin resistance by forskolin and 1,9-dideoxyforskolin in murine sarcoma S180 variants. *Cancer Res.* **48** 539. PMID: 2825978.

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