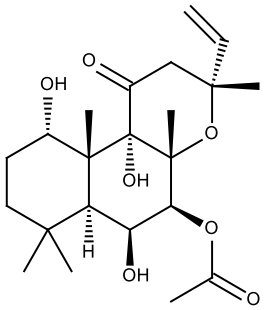
Catalog # 10-2073
Forskolin

CAS# 66575-29-9

7β-Acetoxy-8,13-epoxy-1α,6β,9α-trihydroxylabd-14-en-11-one

Lot # A102190



Forskolin is a widely used adenylate cyclase activator.[1] It also is a positive inotropic agent, vasodilator and induces platelet activation among other activities.[2-5]

1) Awad *et al* (1983*) Interactions of forskolin and adenylate cyclase.* J.Biol.Chem. ***258*** 2960
2) Bhat *et al* (1983*) The antihypertensive and positive inotropic diterpene forskolin: effects of structural modifications on its activity.* J.Med.Chem. ***26*** 486
3) de Souza*, et al.;* (1983) *Forskolin: a labdane diterpenoid with antihypertensive, positive inotropic, platelet aggregation inhibitory, and adenylate cyclase activating properties* Med. Res. Rev. ***3*** *201*
4) Aylwin & White (1992) *Forskolin acts as a noncompetitive inhibitor of nicotinic acetylcholine receptors* Mol. Pharmacol. ***41*** *908*
5) Insel & Ostrom (2003) *Forskolin as a tool for examining adenylyl cyclase expression, regulation, and G protein signaling* Cell Mol. Neurobiol*.* ***23*** *305*

PHYSICAL DATA

Molecular Weight:	410.51
Molecular Formula:	$C_{22}H_{34}O_7$
Purity:	>98%
Solubility:	DMSO (10 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Store solutions at -20°C for up to 4 months.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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