

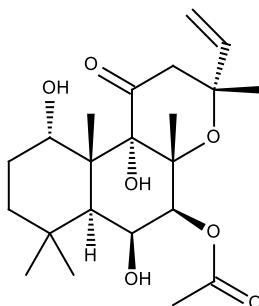
**Catalog # 10-2073**

**Forskolin**

CAS# 66575-29-9

7 $\beta$ -Acetoxy-8,13-epoxy-1 $\alpha$ ,6 $\beta$ ,9 $\alpha$ -trihydroxylabd-14-en-11-one

Lot # A102192



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

- 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 <sub>22</sub> H <sub>34</sub> O <sub>7</sub>
Purity:	>98% (HPLC)
	NMR (Conforms)
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.

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