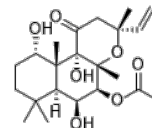


Product Name : Forskolin
Cat. No. : PC-28416
CAS No. : 66575-29-9
Molecular Formula : C₂₂H₃₄O₇
Molecular Weight : 410.51
Target : Adenylate Cyclase
Solubility : 10 mM in DMSO



Biological Activity

Forskolin (Coleonol, Colforsin) is a potent adenylate cyclase activator with IC₅₀ of 41 nM and EC₅₀ of 0.5 μM for type I adenylyl cyclase, is an inducer of intracellular cAMP formation.

Forskolin induces differentiation of various cell types and activates pregnane X receptor (PXR) and FXR.

Forskolin exerts a inotropic effect on the heart, and has platelet antiaggregatory and antihypertensive actions.

Forskolin also induces autophagy.

References

Robbins JD, et al. J Med Chem. 1996 Jul 5;39(14):2745-52.

Matsumiya W, et al. Invest Ophthalmol Vis Sci. 2012 Dec 7;53(13):8029-35.

Mayati A, et al. Sci Rep. 2018 Oct 31;8(1):16115.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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