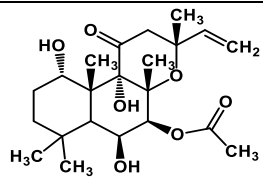


Forskolin

Name of the Phytochemical	Forskolin
Chemical Structure	
Botanical Source	Coleus forskohlii
CAS Number	66575-29-9
Functional Activity	<ul style="list-style-type: none"> • Possesses anti-hypertensive, positive inotropic, and adenylyl cyclase activating properties • It effects calcium currents and inhibits MAP kinase
Key References	<p>22. Intestinal permeability of forskolin by in situ single pass perfusion in rats. Planta Med.2012, 78: 698-702</p> <p>23. Forskolin: a specific stimulator of adenylyl cyclase or a diterpene with multiple sites of action? . Trends Pharmacol Sci.1989, 10: 442-7</p> <p>24. Forskolin, a hedgehog signalling inhibitor, attenuates carbon tetrachloride-induced liver fibrosis in rats. Br J Pharmacol. 2016, 173, 3248-3260</p> <p>25. Forskolin and caffeine induce Ca²⁺ release from intracellular stores in rabbit aorta. Am J Physiol. 1989, 257, C413-8</p> <p>26. Treatment with chemical delipidation forskolin prior to cryopreservation improves the survival rates of swamp buffalo (Bubalus bubalis) and bovine (Bos indicus) in vitro produced embryos. Cryobiology. 2018, 84, 46-51</p> <p>27. Forskolin: its biological and chemical properties. Adv Cyclic Nucleotide Protein Phosphorylation Res. 1986, 20, 1-150</p>

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| | <p>28. Forskolin reduces fat accumulation in Nile tilapia (<i>Oreochromis niloticus</i>) through stimulating lipolysis and beta-oxidation. Comp Biochem Physiol A Mol Integr Physiol. 2019, 230, 7-15</p> <p>29. Forskolin induced remodeling of lipid droplets in rat adipocytes. Sheng Li Xue Bao. 2019, 71, 379-387</p> <p>30. Progress in heterologous biosynthesis of forskolin. J Ind Microbiol Biotechnol. 2021, 48</p> <p>31. The role of forskolin as a lipolytic stimulator during in vitro oocyte maturation and the in vitro embryo production of livestock. Reprod Domest Anim. 202, 56, 1486-1496</p> <p>32. Intraperitoneal Administration of Forskolin Reverses Motor Symptoms and Loss of Midbrain Dopamine Neurons in PINK1 Knockout Rats. J Parkinsons Dis.2022, 12, 831-850</p> <p>33. The effects of metformin and forskolin on sperm quality parameters and sexual hormones in type II diabetic male rats. Andrologia. 2022, 54: 1605-1617</p> <p>34. Forskolin alleviates cisplatin-induced acute renal toxicity in rats. J Pharm Pharmacol. 2022, 74: 1051-1060</p> <p>35. Anti-Melanogenesis Effect of Polysaccharide from <i>Saussurea involucreata</i> on Forskolin-Induced Melanogenesis in B16F10 Melanoma Cells. Nutrients.2022, 14</p> <p>36. Forskolin: a labdane diterpenoid with antihypertensive, positive inotropic, platelet aggregation inhibitory, and adenylate cyclase activating properties. Med Res Rev. 1983, 3, 201-19</p> |
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