7-Deacetylforskolin

Name of the	7-Deacetylforskolin
Phytochemical	
Chemical	HO CH3
Structure	H ₃ C CH ₃ OH
Botanical	Coleus forskohlii
Source	
CAS Number	64657-20-1
Functional Activity	 Possesses anti-hypertensive, positive inotropic, and adenylyl cyclase activating properties It effects calcium currents and inhibits MAP kinase
Key References	 Intestinal permeability of forskolin by in situ single pass perfusion in rats. Planta Med.2012, 78: 698-702 Forskolin: a specific stimulator of adenylyl cyclase or a diterpene with multiple sites of action? . Trends Pharmacol Sci.1989, 10: 442-7 Forskolin, a hedgehog signalling inhibitor, attenuates carbon tetrachloride-induced liver fibrosis in rats. Br J Pharmacol. 2016, 173, 3248-3260

- 4. Forskolin and caffeine induce Ca2+ release from intracellular stores in rabbit aorta. **Am J Physiol.** 1989, 257, C413-8
- 5. 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**
- 6. Forskolin: its biological and chemical properties. Adv Cyclic Nucleotide Protein Phosphorylation Res. 1986, 20, 1-150
- 7. Forskolin reduces fat accumulation in Nile tilapia (Oreochromis niloticus) through stimulating lipolysis and beta-oxidation. **Comp Biochem Physiol A Mol Integr Physiol. 2019, 230, 7-15**
- 8. Forskolin induced remodeling of lipid droplets in rat adipocytes. Sheng Li Xue Bao. 2019, 71, 379-387
- 9. Progress in heterologous biosynthesis of forskolin. J Ind Microbiol Biotechnol. 2021, 48
- 10. 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**
- 11.Intraperitoneal Administration of Forskolin Reverses Motor Symptoms and Loss of Midbrain Dopamine Neurons in PINK1 Knockout Rats. **J Parkinsons Dis.2022, 12, 831-850**
- 12. The effects of metformin and forskolin on sperm quality parameters and sexual hormones in type II diabetic male rats. **Andrologia. 2022, 54: 1605-1617**
- 13. Forskolin alleviates cisplatin-induced acute renal toxicity in rats. **J Pharm Pharmacol. 2022, 74: 1051-1060**
- 14. Anti-Melanogenesis Effect of Polysaccharide from Saussurea involucrata on Forskolin-Induced Melanogenesis in B16F10 Melanoma Cells. **Nutrients.2022, 14**