

## Product Information

### Forskolin

**Cat. No.:** X23-12-YM714

**Size:** 10 mg; 25 mg; 50 mg; 100 mg

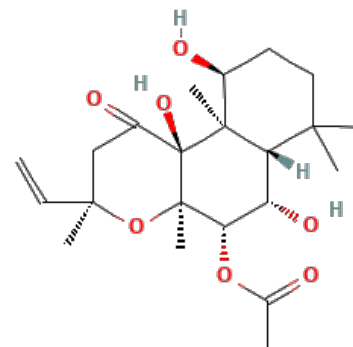
**CAS Number:** 66575-29-9

**Compound CID:** 47936

**Synonym:** 66575-29-9; Colforsin; Coleonol; Colforsina; cColforsine; Colforsinum;

Boforsin

**This product is for research use only and is not intended for diagnostic use.**



### Product Information

<b>Description</b>	Forskolin, soluble in DMSO and ethanol and insoluble in water, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets Adenylyl cyclase (AC) (A wide variety of cell types).
<b>Molecular Weight</b>	410.51
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>34</sub> O <sub>7</sub>
<b>Targets</b>	Adenylyl cyclase (AC) (A wide variety of cell types)
<b>IUPAC Name</b>	[(3 <i>R</i> ,4 <i>aR</i> ,5 <i>S</i> ,6 <i>S</i> ,6 <i>aS</i> ,10 <i>S</i> ,10 <i>aR</i> ,10 <i>bS</i> )-3-Ethenyl-6,10,10 <i>b</i> -trihydroxy-3,4 <i>a</i> ,7,7,10 <i>a</i> -pentamethyl-1-oxo-5,6,6 <i>a</i> ,8,9,10-hexahydro-2 <i>H</i> -benzo[ <i>f</i> ]chromen-5-yl] acetate
<b>InChI</b>	InChI=1S/C22H34O7/c1-8-19(5)11-14(25)22(27)20(6)13(24)9-10-18(3,4)16(20)15(26)17(28-12(2)23)21(22,7)29-19/h8,13,15-17,24,26-27H,1,9-11H2,2-7H3/t13-,15-,16-,17-,19-,20-,21+,22-/m0/s1
<b>InChI Key</b>	OHCQJHSOBUTRHG-KGGHGJDLA-N
<b>Canonical SMILES</b>	CC(=O)OC1C(C2C(CCC(C2(C3C1(OC(CC3=O)(C)C=C)C)O)C)O)(C)C)O
<b>Isomeric SMILES</b>	CC(=O)O[C@H]1[C@H]([C@@H]2[C@]([C@H](CCC2(C)C)O)([C@@]3([C@@]1(O[C@@](CC3=O)(C)C=C)C)O)C)O
<b>Form</b>	Lyophilized powder
<b>Purity</b>	>98%
<b>Solubility</b>	DMSO: 72 mg/mL (175.39 mM); Water: insoluble; Ethanol: 33 mg/mL (80.39 mM)
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	Forskolin can be used for its potential to aid weight loss by promoting the breakdown of stored fat cells and increasing lean body mass.



**Storage**

Store at -20°C, and keep desiccated.

---