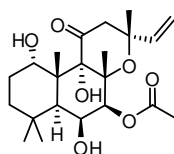




## Certificate of Analysis

**Axon Catalogue ID:** 2264 **Batch Number:** 1  
**Product Name:** Forskolol  
**Alternative Name(s):** Coleonol  
**IUPAC Name:** (3R,4aR,5S,6S,6aS,10S,10aR,10bS)-6,10,10b-Trihydroxy-3,4a,7,7,10a-pentamethyl-1-oxo-3-vinyldodecahydro-1H-benzo[f]chromen-5-yl acetate

**Structure:**



**Amount:**

**CAS number(s):** 66575-29-9  
**Molecular Formula:** C<sub>22</sub>H<sub>34</sub>O<sub>7</sub> **Molecular Weight:** 410.50  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>34</sub>O<sub>7</sub>·0.2H<sub>2</sub>O **Batch Molecular Weight:** 414.10  
**Appearance:** White solid **Observed mp:** 227 °C  
**TLC (R<sub>f</sub>):** 0.55 DCM/MeOH (30:1)  
**Chemical Purity:** >98%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 63.81, H 8.37, N 0.00; Found: C 64.11, H 8.82, N <0.10  
**Storage Conditions:** Store at -20 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	41.4	>100 mM	
	EtOH			Not Tested

**Remarks:** Suspected to be unstable in solution; prepare fresh stock solutions when possible; store stock solutions as cold as possible.

**QC Date:** 20-11-2019

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**