

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1348	
Compound name	Forskolin	
Chemical name	[3R-(3<math>\alpha</math>,4<math>\alpha</math>,5<math>\beta</math>,6<math>\beta</math>,6<math>\alpha</math>,10<math>\alpha</math>,10<math>\beta</math>,10<math>\alpha</math>)]-5-(Acetyloxy)-3-ethenyldodecahydro-6,10,10b-trihydroxy-3,4a,7,7,10a-pentamethyl-1H-naphtho[2,1-b]pyran-1-one	
Batch number	E2325-1-1	
Batch molecular formula	$C_{22}H_{34}O_7$	
Batch molecular weight	410.51	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	$^1H$ NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (25 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

15/08/2023

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.