

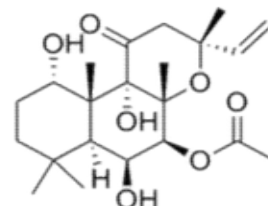
Certificate of Analysis



Product Identification

Catalog number	HB1348
Compound name	Forskolin
Chemical name	[3R-(3 α ,4 α ,5 β ,6 β ,6 α ,10 α ,10 α ,10 β ,10 β)]-5-(Acetyloxy)-3-ethenyldodecahydro-6,10,10b-trihydroxy-3,4a,7,7,10a-pentamethyl-1H-naphtho[2,1-b]pyran-1-one
Batch number	E0243-1-1
Batch molecular formula	C ₂₂ H ₃₄ O ₇
Batch molecular weight	410.60

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.2%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure and shows >95% purity	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) and in ethanol (10 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Huw Davies

Signature

Date

08-03-17

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