

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB4213	
Compound name	Isoliquiritigenin	
Chemical name	(E)-1-(2,4-Dihydroxyphenyl)-3-(4-hydroxyphenyl)prop-2-en-1-one	
Batch number	E0943-1-1	
Batch molecular formula	C ₁₅ H ₁₂ O ₄ ·H ₂ O	
Batch molecular weight	274.27	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.1%
NMR	¹ H 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
TLC	TLC analysis in 10% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.7
Physical appearance	Yellow to orange solid	Meets specification: Yellow solid
Solubility	Soluble in DMSO (75 mM) and in ethanol (20 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

22-01-19

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