

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0542	
Compound name	Quercetin	
Chemical name	2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-4H-1-benzopyran-4-one	
Batch number	E1936-1-1	
Batch molecular formula	C ₁₅ H ₁₀ O ₇ ·1.9H ₂ O	
Batch molecular weight	336.47	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 96.4%
NMR	1H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative analysis shows molecular ion	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 =0.6
Physical appearance	Yellow solid	Meets specification: Yellow solid
Solubility	Soluble in DMSO (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

11-04-22

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