

# Certificate of Analysis

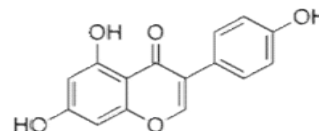


## Product Identification

**Catalog number** HB2775  
**Compound name** Genistein  
**Chemical name** 5,7-Dihydroxy-3-(4-hydroxyphenyl)-4 H-1-benzopyran-4-one

**Batch number** E2171-1-1  
**Batch molecular formula** C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>  
**Batch molecular weight** 270.24

## Chemical Structure



## Method

## QC requirement

## QC Result

<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
<b>NMR</b>	<sup>1</sup> H NMR in DMSO at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray negative analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>Physical appearance</b>	White to off-white solid	Meets specification: White solid
<b>Solubility</b>	Soluble in DMSO (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

23/02/2023

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