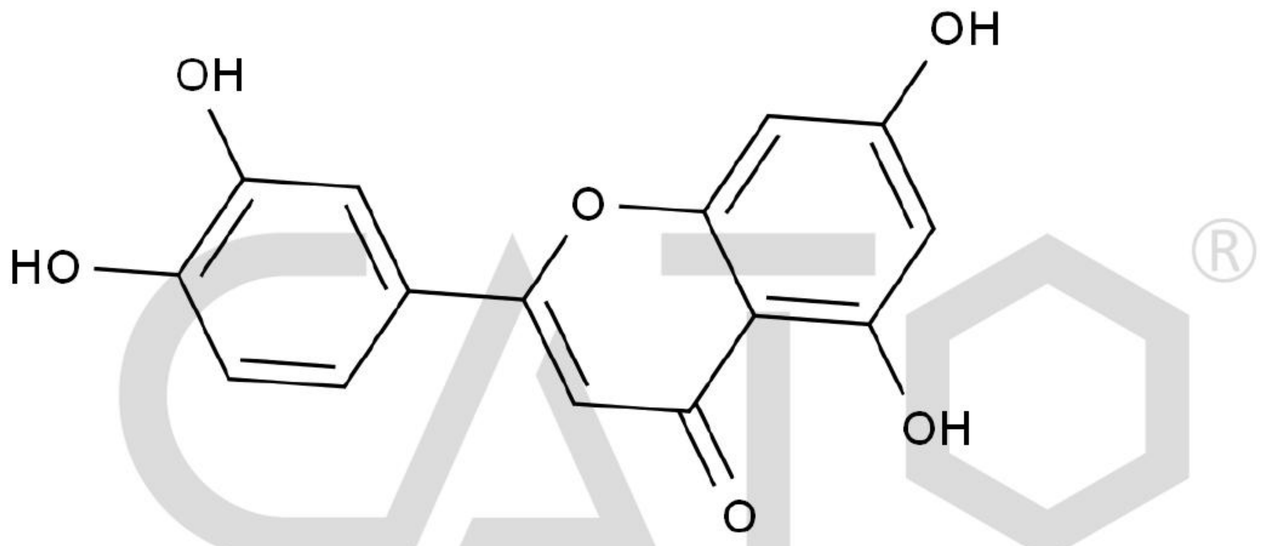
Certificate of Analysis

Reference Material & Standard

Product Name:	Luteolin	**Catalogue Number:**	CCPE900074
Synonyms:	N/A	**Lot Number:**	0923-RH-0067
CAS Number:	491-70-3	**Expiry Date:**	Sep 27, 2030
Molecular Formula:	$C_{15}H_{10}O_6$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	286.24	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	DMSO	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.8%
Assay	qNMR	90.4%
Uncertainty		±1.8%

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Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: Hinlam Date: Sep 28, 2026

Reviewed by: Lisa Date: Sep 28, 2026

Approved by General Manager: David Date: Sep 28, 2026

CATO Research Chemicals Inc.