

Certificate of Analysis

Reference Material & Standard

Product Name:	15 Flavonoid Mix Solution in DMSO, 10µg/mL	Catalogue Number:	MCHM706174
Appearance:	Liquid	Lot Number:	1120-SA-7817
Solvent:	DMSO	Storage:	2°C ~ 8°C Protected from light and Sealed
Expiry Date:	Nov 19, 29		

Chemical Structure:

Warning:



N/A

NO.	Component	CAS No.	Certified Concentration Value (10µg/mL)	Uncertainty (%)
1	Sakuranetin	2957-21-3	9.6	1.5
2	Genkwanin	437-64-9	10.0	1.5
3	Alpinetin	36052-37-6	10.5	1.5
4	Rhodosin	86831-54-1	10.0	1.5
5	Morusin	62596-29-6	9.8	1.5
6	Isoorientin	4261-42-1	10.1	1.5
7	Norwogonin	4443-09-8	10.2	1.5
8	Skullcapflavone II	55084-08-7	10.5	1.5
9	Tricin	520-32-1	9.6	1.5
10	Isoquercitrin	482-35-9	10.3	1.5
11	Chrysosptertin B	603-56-5	9.7	1.5
12	Salvigenin	19103-54-9	9.9	1.5

Signature:

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Reviewed by:

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David

Date: Nov 20, 25

Date: Nov 20, 25

Date: Nov 20, 25



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NO.	Component	CAS No.	Certified Concentration Value (10µg/mL)	Uncertainty (%)
13	Quercetagenin	90-18-6	9.8	1.5
14	5-Demethylnobiletin	2174-59-6	10.3	1.5
15	3'-Hydroxy puerarin	117060-54-5	9.7	1.5

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.

Directions:

1. General description: This product was dissolved in DMSO and sub-packed in ampoule bottles. The outer packaging is plastic cylinder.
2. Characterization strategy: Certified reference materials were selected as raw materials. Characterization was based on the mass and volume of the components used in the preparation process. external standard method was used to verify the prepared value.
3. Metrological traceability: Through the use of raw materials with traceable purity values and tested/calibrated quality or volume measures, certified value results are ultimately traceable to SI basic units of mass kilogram (kg) and national statutory volume the unit of measurement liter (L).
4. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.
5. Minimum sample size: For once use only.
6. Instructions for handling and correct use: Please shake thoroughly before use to ensure homogeneous.

Document Version:

Revision No.	Date	Reason for Revision
01	Nov 20, 25	First release.