

Certificate

DIOSMIN FOR SYSTEM SUITABILITY

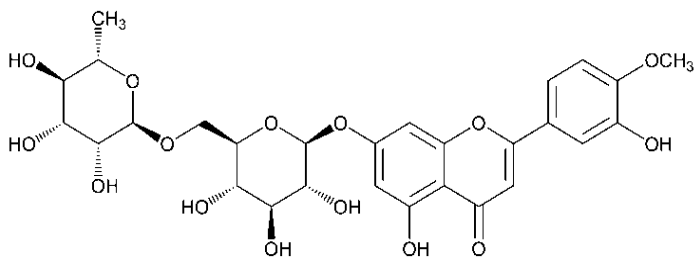
(a mixture of acetoisovanillone, hesperidin, isorhoifolin, diosmin, linarin and diosmetin)

USP Catalog No.: 1213329

USP Lot No.: R071E0

Diosmin

5-Hydroxy-2-(3-hydroxy-4-methoxyphenyl)-4-oxo-4H-chromen-7-yl 6-O-(α -L-rhamnopyranosyl)- β -D-glucopyranoside



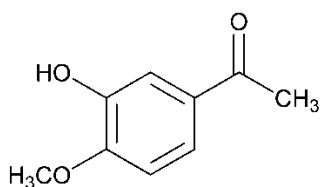
CAS No.: 520-27-4

Molecular Formula: $C_{28}H_{32}O_{15}$

Molecular Weight: 608.55

Acetoisovanillone

1-(3-Hydroxy-4-methoxyphenyl)ethanone



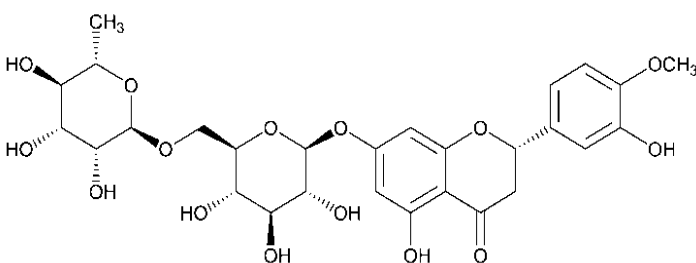
CAS No.: 6100-74-9

Molecular Formula: $C_9H_{10}O_3$

Molecular Weight: 166.18

Hesperidin

(S)-5-Hydroxy-2-(3-hydroxy-4-methoxyphenyl)-4-oxo-3,4-dihydro-2H-chromen-7-yl 6-O-(α -L-rhamnopyranosyl)- β -D-glucopyranoside



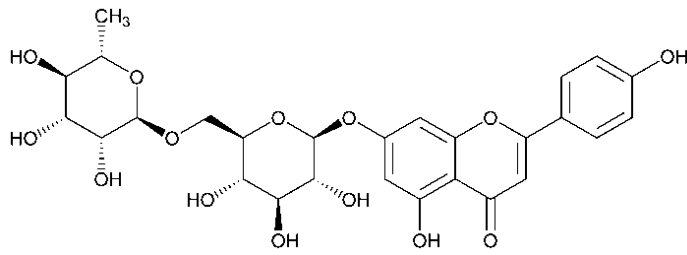
CAS No.: 520-26-3

Molecular Formula: $C_{28}H_{34}O_{15}$

Molecular Weight: 610.57

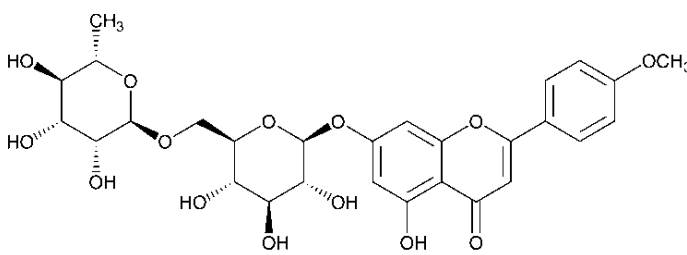
Isorhoifolin

5-Hydroxy-2-(4-hydroxyphenyl)-4-oxo-3,4-dihydro-2H-chromen-7-yl 6-O-(α -L-rhamnopyranosyl)- β -D-glucopyranoside

| | |
|---|--|
|  | CAS No.: 552-57-8 |
| | Molecular Formula: C ₂₇ H ₃₀ O ₁₄ |
| | Molecular Weight: 578.52 |

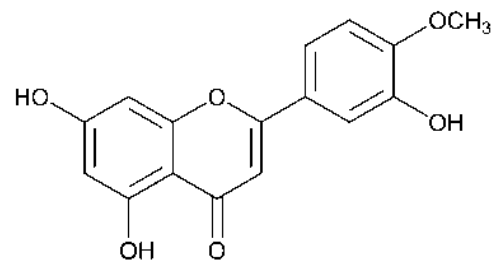
Linarin

5-Hydroxy-2-(4-methoxyphenyl)-4-oxo-3,4-dihydro-2H-chromen-7-yl 6-O-(α -L-rhamnopyranosyl)- β -D-glucopyranoside

| | |
|--|--|
|  | CAS No.: 480-36-4 |
| | Molecular Formula: C ₂₈ H ₃₂ O ₁₄ |
| | Molecular Weight: 592.55 |

Diosmetin

5,7-Dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-4H-chromen-4-one

| | |
|---|---|
|  | CAS No.: 520-34-3 |
| | Molecular Formula: C ₁₆ H ₁₂ O ₆ |
| | Molecular Weight: 300.27 |

LABEL TEXT

For use with specified USP compendial tests.
Not for use as a drug. See SDS prior to use
at www.usp.org/sds.

USP REFERENCE STANDARD

DIOSMIN FOR SYSTEM SUITABILITY 15 mg

*(a mixture of acetoisovanillone, hesperidin, isorhoifolin,
diosmin, linarin and diosmetin)*

Labeled for qualitative use. Keep container tightly
closed. Protect from light. This material is hygroscopic.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666
Cat. No. 1213329 Material mfd. in Spain

LOT: R071E0



Jeri L. Ioth

Quality Assurance

Calculation Value

If a value is not provided on the label or accompanying documentation and the Reference Standard has a quantitative USP compendial application, a value of 100.0% is used. The purity value is not applicable for qualitative uses. Please refer to the specific Reference Standard label for further information.

Expiration

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at www.usp.org.

Instructions for Use

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

Non-Monograph Use

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

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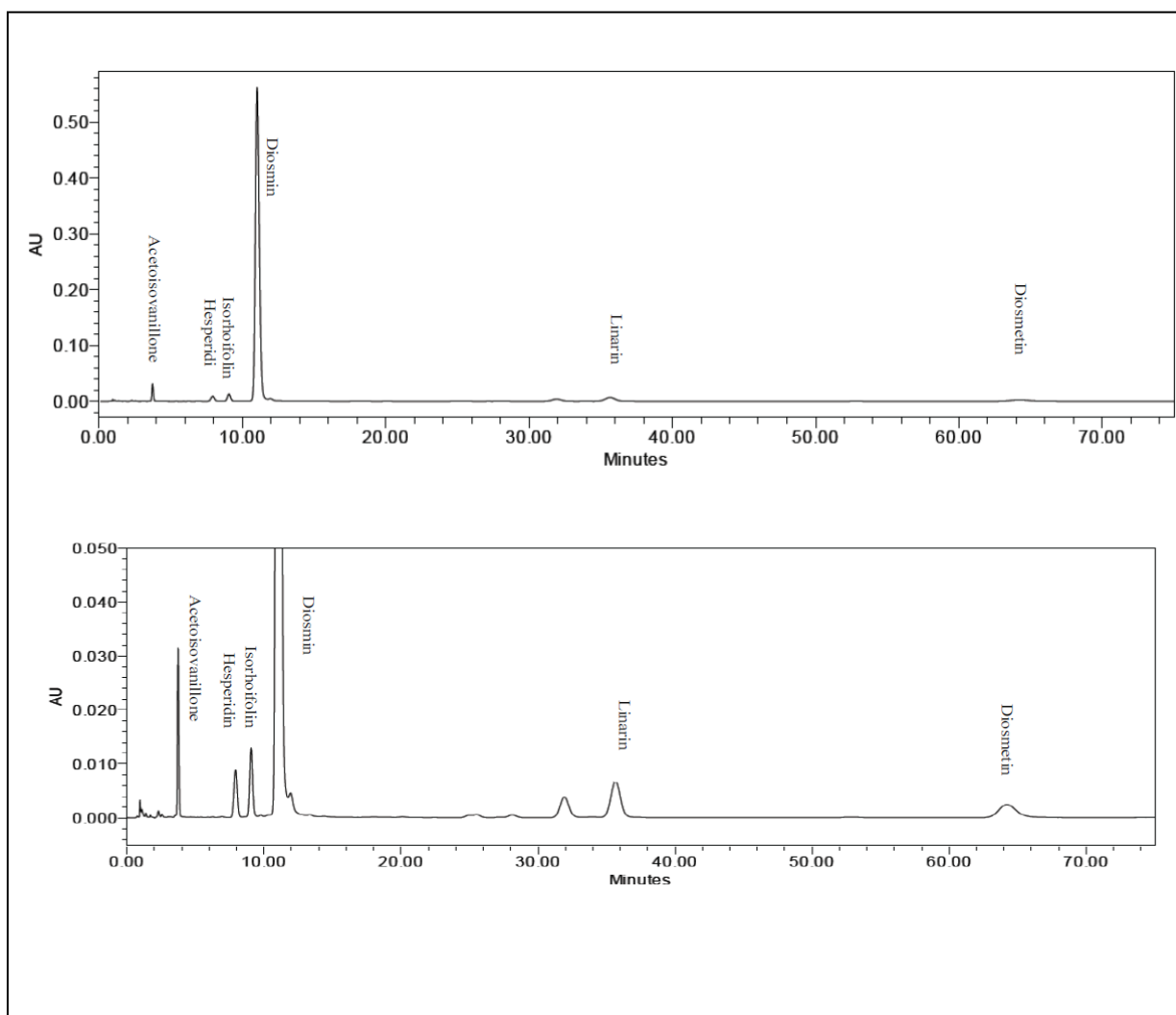
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Typical Chromatogram

USP Diosmin for System Suitability RS

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| Catalog Number: 1213329 |
| Lot: R071E0 |
| Monograph: Diosmin |
| Publication: USP 40- NF 35 |
| Test: Related compounds |
| Sample: System Suitability Solution |



This chromatogram is supplied for information only, unless otherwise specified in an applicable monograph or general chapter.