

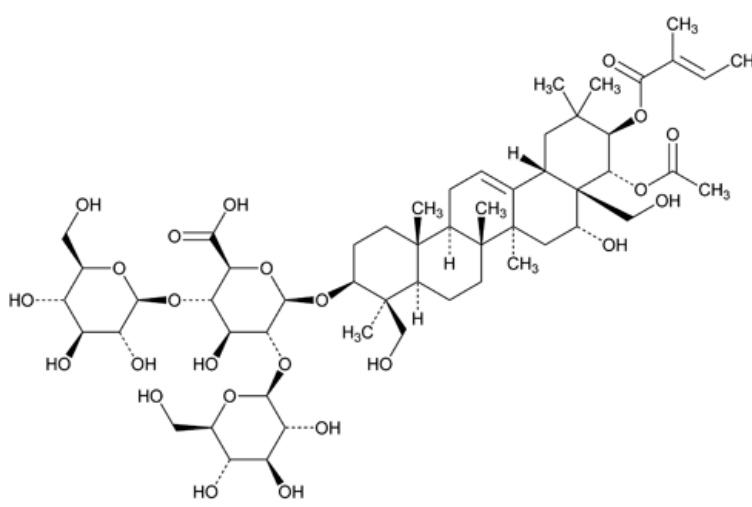
# Certificate

## ESCIN

(*beta-Escin*)

USP Catalog No.: 1249202

USP Lot No.: R023G0

	<p>CAS No. 11072-93-8</p>
	<p>Molecular Formula <math>C_{55}H_{86}O_{24}</math></p>
	<p>Molecular Weight 1131.3</p>

**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](http://www.usp.org/sds).



Lot: R023G0



**USP REFERENCE STANDARD**

**ESCIN 350 mg**

Warning! Harmful if swallowed. May cause an allergic skin reaction.

Do not dry. For quantitative applications, determine the water content  
titrimetrically at the time of use; use a value of 0.991 mg of escin per  
mg of material on the anhydrous basis. Keep container tightly closed.  
Protect from light.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
CAT No. 1249202 Material mfd. in Spain

Wash thoroughly after handling. Wear protective gloves.  
Contaminated work clothing must not be allowed out of the  
workplace. If swallowed: Call a poison center/doctor if you  
feel unwell. Rinse mouth. If on skin: Wash with plenty of  
water. If skin irritation or rash occurs: Get medical  
advice/attention. Wash contaminated clothing before  
reuse. Dispose of contents/container in accordance with  
local/regional/national/international regulations.

*Jeri L. Joth*

*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](http://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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