

# SPECIFICATION



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## Escin

REF 0115

Chemical family

TRITERPENE / Saponins

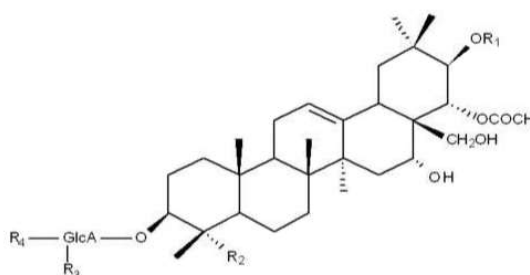
CAS Number

NA

Empirical formula

Observation

mixture of saponins of the seed of *Aesculus hippocastanum* ; mixture is composed of three main fractions: beta-Escin major (beta-Escin: mixture of 32 saponins), alpha-Escin and Cryptoescin



R<sub>1</sub>= angelic acid; tiglic acid;  $\alpha$ -methylbutyric acid or isobutyric acid  
R<sub>2</sub>= CH<sub>2</sub>OH or CH<sub>3</sub>  
R<sub>3</sub>, R<sub>4</sub> = Glc, Gal, Xyl

Classification



Acute oral toxicity (Category 4) (H302) ; Hazardous to the aquatic environment (Category 2) (H411) ; Acute inhalation toxicity (Category 4) (H332) ; Eye Irritation (Category 2) (H319) ; Specific Target Organ Toxicity - Single Exposure (Category 3) (H335)

Long term storage

Store at <+8°C

Store in dry and dark place.

Shipment conditions

Ambient temperature

Appearance

White to beige coloured Powder

[ $\alpha$ ]D

-(25  $\pm$  5)° c=5 in methanol

Assay (titration)

$\geq$ 95% (acidimetric content of escin)