

True Cure-RSO

Plant part: Aerial parts

Scientific name: *Veronica officinalis*

INCI name: Veronica Officinalis Extract

IECIC 2015 name: Veronica Officinalis Extract



True Cure-RSO

Product Name: True Cure-RSO

Plant Name: Speedwell

Veronica officinalis is a flowering perennial herb in the plantain family *Plantaginaceae* that is native to Europe and the western areas of Asia. It usually grows in open areas and is commonly used as an edible or medicinal herb.



History of Speedwell

In European traditional medicine, speedwell was used for its diuretic and tonic properties. Speedwell has also been used for ailments such as diseases of the upper respiratory tract, gastroenteritis, bladder problems, rheumatic pain and skin inflammations.

When applied externally as a salve, it was thought to relieve irritated skin, eczema and aid in skin healing treat and prevent itching.

Speedwell's protective effects against oxidative stresses has been measured by monitoring several biomarkers of oxidative stress. Anti-inflammatory mechanisms have been identified in Speedwell by diminishing the release of inflammatory mediator, PGE₂ by reducing COX-2 expression.

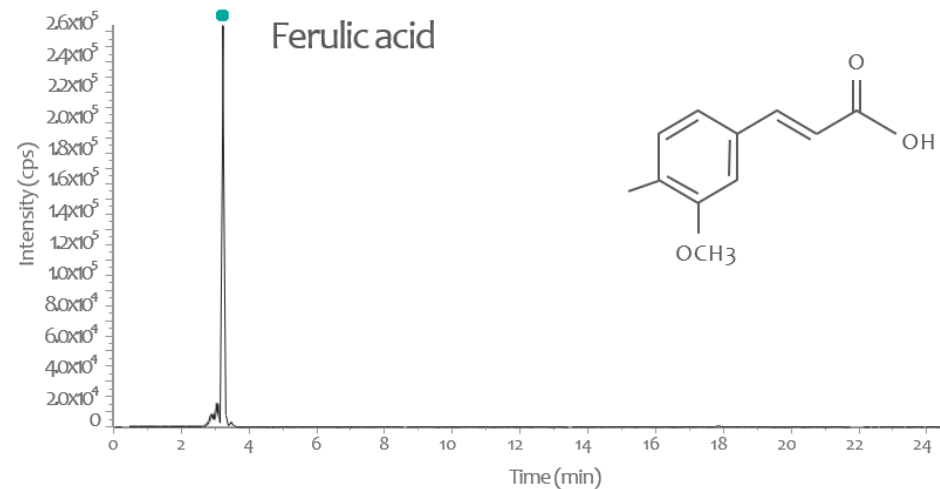
[1] The evaluation of antioxidant potential of *Veronica officinalis* and *Rosmarinus officinalis* extracts by monitoring malondialdehyde and glutathione levels in rats, Kiss *et al.*, *Farmacia*, 2009, 57(4), p.432-441

[2] Traditionally used *Veronica officinalis* inhibits proinflammatory mediators via the NF- κ B signalling pathway in the human lung cell line, Grundemann *et al.*, *J Ethnopharmacol*, 2013, 145(1), p.118-126

[3] Phytochemical characterization of *Veronica officinalis* L. *V. teucrium* L. and *V. orchidaea* Crantz from Romania and their antioxidant and antimicrobial properties, Mocan *et al.*, *Int J Mol Sci*, 2015, 16(9), p.21109-21127

Active Compounds detected in True Cure

LC-MS/MS Analysis



Recently, phenolic compounds of the *Veronica* genera were identified and evaluated for antioxidant and anti-microbial activities, making Speedwell extract a promising cosmetic agent.

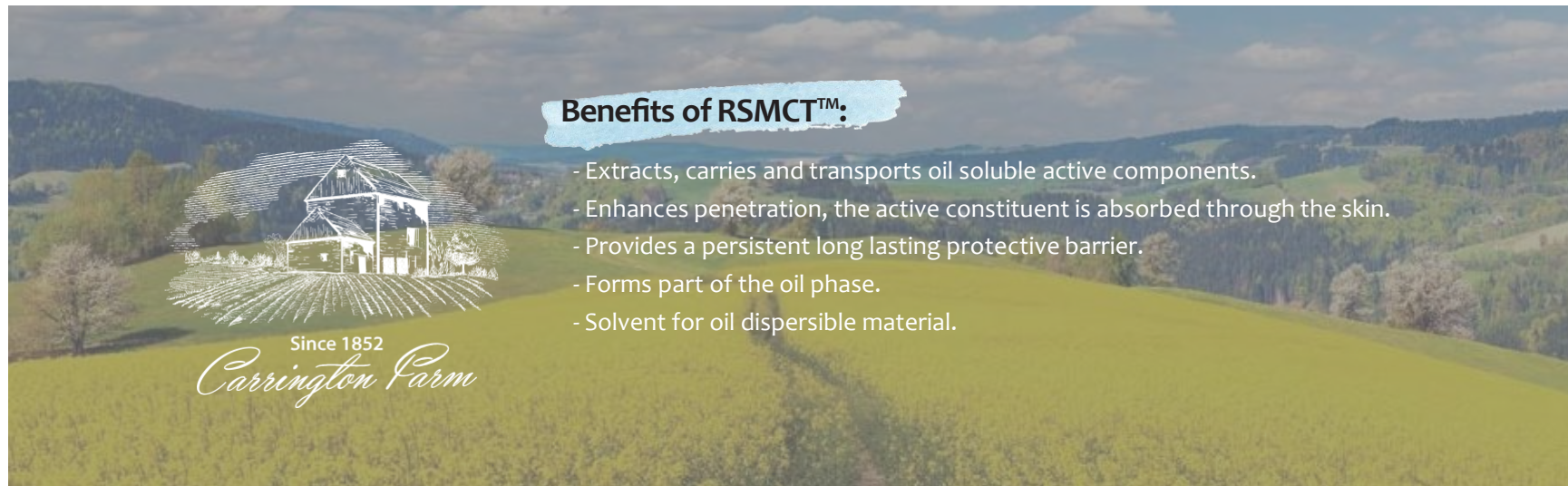
In our tests, ferulic acid was detected in True Cure. Ferulic acid is an antioxidant that helps boost the effects of other antioxidants. When used in skin care products, it can reduce the development of fine lines, spots, and wrinkles.

The Secrets of Caledonia

RSMCT™

Our unique **RSMCT™** contains the properties of an effective solvent and skin-conditioning agent which makes it an excellent carrier oil for our herbal infusions.

The rapeseed oil that we use is produced at Carrington Barns, a local family-run farm just 8 miles south of Edinburgh. The rapeseed is grown at the farm, then cold-pressed to maintain its nutrition and the stability of actives, such as antioxidant molecules.



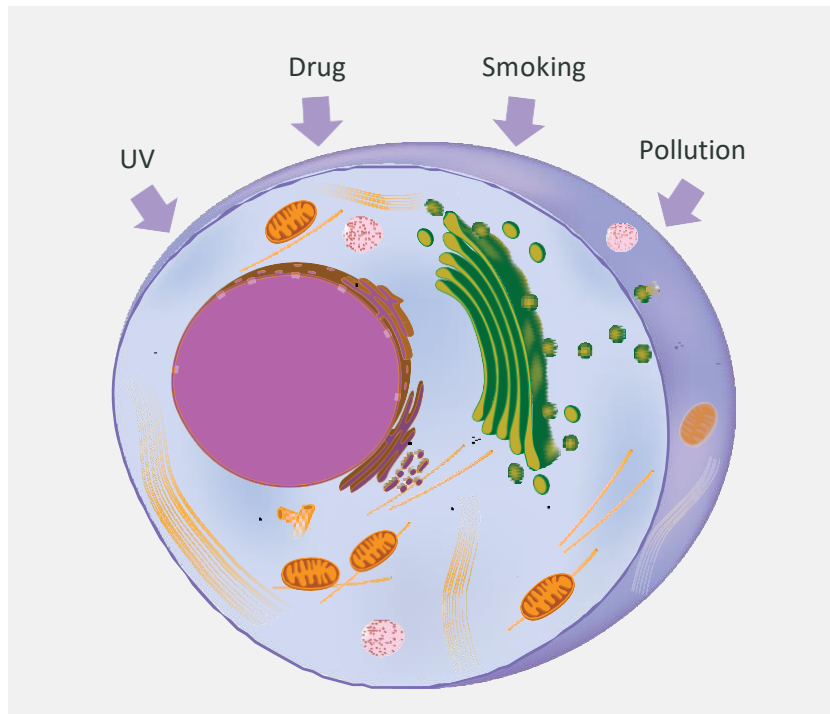
Benefits of RSMCT™:

- Extracts, carries and transports oil soluble active components.
- Enhances penetration, the active constituent is absorbed through the skin.
- Provides a persistent long lasting protective barrier.
- Forms part of the oil phase.
- Solvent for oil dispersible material.

Since 1852
Carrington Farm

Oxidative Stress

Reactive Oxygen Species (ROS) can be increased by

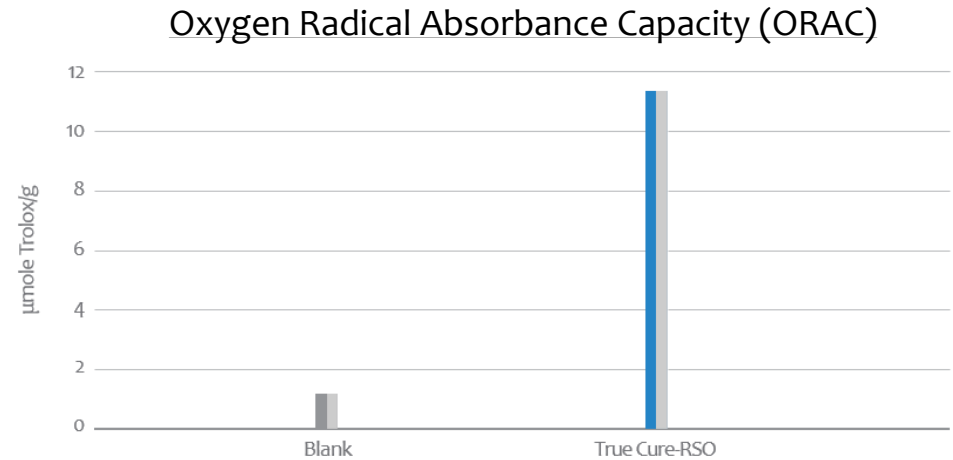
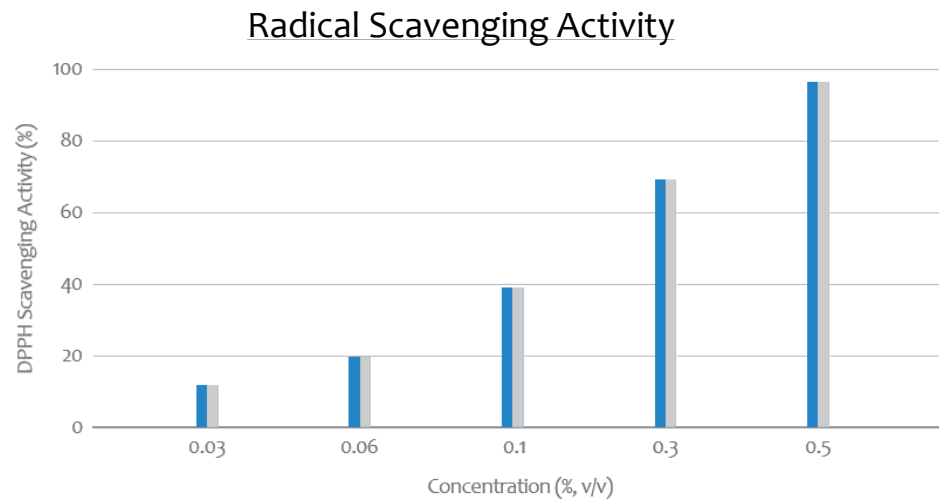


⚡ Intracellular ROS may induce

- DNA damage
- Lipid peroxidation
- Amino acid oxidation: protein damage
- Oxidation of co-factors: enzyme inactivation
- Chronic inflammation

ROS ↑ Skin Ageing
Inflammation

Antioxidant Effects of True Cure (*in vitro*)



Our skin is under attack from many factors in daily life, such as UV, pollution and stress. These factors increase the Reactive Oxygen Species (ROS). Antioxidants from True Cure can inhibit the generation of ROS and in turn inhibit cellular damage, as demonstrated by the results shown in this graph.

Reported functions

Ingredient : VERONICA OFFICINALIS EXTRACT 

INCI Name	VERONICA OFFICINALIS EXTRACT
Description	Veronica Officinalis Extract is the extract of the whole plant of the Fluellen, Veronica officinalis L., Scrophulariaceae
INN Name	
Ph. Eur. Name	
CAS #	85117-19-7
EC #	285-571-6
Chemical/IUPAC Name	
Cosmetic Restriction	
Other Restriction(s)	
Functions	<ul style="list-style-type: none"> • SKIN CONDITIONING
SCCS opinions	
Identified INGREDIENTS or substances e.g.	

Source: European Commission [https://ec.europa.eu/growth/tools-databases/cosing/index.cfm?fuseaction=search.details_v2&id=83486]

Product Information

Product Name : True Cure-RSO

INCI name : Veronica Officinalis Extract
(China Compliant)

Dosage : 1 – 3%

Formulation : Add to the formulation
when the temperature is lower than 55°C.
Recommended to add after the cooling process.

Storage : Avoid direct light or UV.
Keep it in a cool and dry area.





The Secrets of Caledonia

The Secrets of Caledonia (TSOC) is a supplier of natural cosmetic ingredients inspired by Scottish traditional herbal medicine. Taking advantage of Scotland's biodiversity and working in collaboration with established Scottish herbalists, we aim to provide the most effective and innovative natural ingredients at the highest quality.



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