



VITAL-CHEM ZHUHAI CO., LTD.

珠海威尔凯化工有限公司

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Technical Data Sheet

C10.Troxerutin

Description

Troxerutin is a rutoside, a naturally occurring flavonoid, extracted from natural sophora japonica bud with synthetic process, and in a half synthetic process it is transformed to Troxerutin.

It can inhibit platelet aggregation, prevent thrombosis, cure the vascular injury induced by 5 serotonin or bradykinin, increase the capillary resistance, reduce the capillary permeability. It is known to prevent edema caused by increased vascular permeability.

Troxerutin has comparatively effective antioxidant properties and therefore offers protection against gamma-radiation- induced micronuclei formation and DNA strand breaks, and enhances repair of radiation-induced DNA strand breaks. In addition to anti-erythrocytic, anti-thrombic, fibrinolytic efficacy it shows as well oedema-protective rheological activity.

Appearance

Yellow-green crystalline powder

INCI:

Troxerutin

Solubility

Soluble in water, pentylene and propylene glycol

Slightly soluble in ethanol

Practical insoluble in aether

Registration

CAS-No.....7085-55-4

EINECS No.....230-389-4

Package

1kg aluminum foil bag lined a PE bag

25kgs in cardboard drum

Preservatives / Stabilizers

None

Effects

Enhances the absorption of vitamin C;

Anti-bacterial: helps relieve pain, bumps and bruises;

Improve the microcirculation, promoting new angiogenesis to promote collateral circulation;

Increase the capillary resistance, reduce capillary permeability.

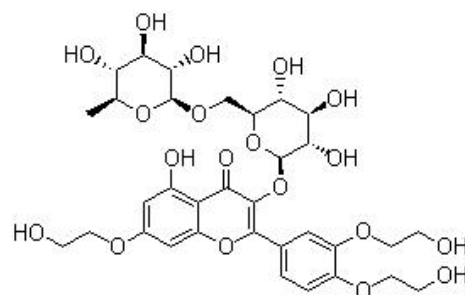
Antioxidant

Anti-inflammatory

Safety

No side reactions are known for frequent or continuous applications.

Chemical Structure



Molecular Formula: $C_{33}H_{42}O_{19}$

Synonyms: 3', 4', 7-Tris(hydroxyethyl)rutin
trihydroxyethylrutin

Technical Data

Troxerutin	EP10.0
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Application

Troloxerutin is widely used in Cosmetic, pharmaceutical, functional food, water-soluble beverages and health supplements.

Application concentration

Skin care/Body care products.....0.1-2%

After shave products.....0.1-2%

Baby care products.....0.1-1%

Sun care products.....0.1-1%

After sun products.....0.1-2%

Incorporation

Troloxerutin can easily be incorporated in cosmetic formulations and other formulations into the water phase,the recommended pH is 3-10.

Presence of free iron ions may cause brown discolourization.This can be avoided by addition of 0.1% EDTA.Titanium dioxide may lead to a shift or intensification of color.

Storage and shelf life

24 months when store in an airtight container, protected from light.

