



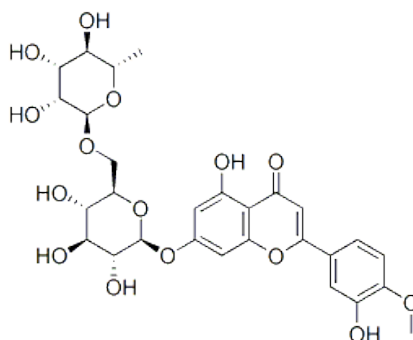
Diosmin

Kinase Inhibitor

E1KS2292

Kinase Inhibitor Name: Diosmin**Catalog Number:** E1KS2292**Quantity:** 50mg

1. PHYSICAL AND CHEMICAL PROPERTIES

M.Wt: 608.55**Formula:** $C_{28}H_{32}O_{15}$ **Solubility:** DMSO ≥ 30 mg/mL Water ≥ 122 mg/mL Ethanol < 1 mg/mL**Purity:** $> 99\%$ **Storage:** at -20°C 2 years**CAS No.:** 520-27-4**M.Wt:** 608.55**Molecular Structure:**

2. Biological Activity

Diosmin is a semisynthetic phlebotropic agent and a member of the flavonoid family.

Diosmin prolongs the vasoconstrictor effect of norepinephrine on the vein wall, increasing venous tone, and therefore reducing venous capacitance, distensibility, and stasis. Diosmin increases the venous return and reduces venous hyperpressure present. Diosmin improves lymphatic drainage by increasing the frequency and intensity of lymphatic contractions, and by increasing the total number of functional lymphatic capillaries. Furthermore, diosmin with hesperidine decreases the diameter of lymphatic capillaries and the intralymphatic pressure. [1]

3. References:

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.

For Research Use Only