[ **Product Information** ]

**Name:** Vestitol

**Catalog No.:** CFN98483

**Cas No.:** 35878-41-2

**Purity:** > 95%

**M.F:** C_{16}H_{16}O_{4}

**M.W:** 272.3

**Physical Description:** Powder

**Synonyms:** (3R)-3-(2-Hydroxy-4-methoxyphenyl)-3,4-dihydro-2H-chromen-7-ol.

[ **Intended Use** ]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Agricultural research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Others.

[ **Source** ]

The herbs of *Lotus corniculatus* L.
**[Biological Activity or Inhibitors]**

Vestitol is a phytoalexin with insect feeding-deterrent activity.[1] Vestitol exerts a limited inhibitory effect on *S. hermonthica* germination, but it can significantly inhibit seedling growth, it also contributes, at least in part, to the host's defence mechanism and acts as a chemical barrier against the intrusion of the parasite.[2] Vestitol has anti-inflammatory and antimicrobial activities, it can inhibit neutrophil migration at a dose of 10 mg/kg, and shows MICs ranging from 25-50 to 50-100 ug/mL and MBCs ranging from 25-50 to 50-100 ug/mL.[3] Vestitol has antioxidant activity.[4]

**[Solvent]**

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

**[HPLC Method]**[5]

Mobile phase: Acetonitrile in 0.1% Formic acid - H2O, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: 30℃;
The wavelength of determination: 280 nm.

**[Storage]**

2-8℃, Protected from air and light, refrigerate or freeze.

**[References]**


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