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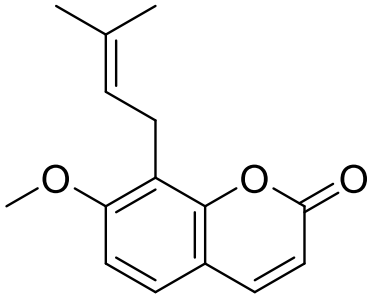
PRODUCT DATA SHEET

Osthole

Code No.: **BIA-O2999**

Pack sizes: **5 mg, 25 mg**



Synonyms : Osthol

Specifications

CAS #	:	**484-12-8**
Molecular Formula	:	**$C_{15}H_{16}O_3$**
Molecular Weight	:	**244.3**
Source	:	***Cnidium* sp.**
Appearance	:	**White solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol and DMSO.**

Application Notes

Osthole, a prenylated coumarin, is a major component of the plant Cnidium monnieri, widely used in traditional Chinese medicine. Osthole has attracted significant attention due to its diverse biological applications, demonstrating anticancer, antiinflammatory, neuroprotective and osteogenic activity in vitro. Osthole modulates cAMP and cGMP levels, regulates ion channels and inhibits 5-lipoxygenase.

References

1. Zhang, Z-R. et al. (2015). Osthole: A review on its bioactivities, pharmacological properties, and potential as alternative medicine. Evid. Based Complement. Alternat. Med., 919616, 1.
2. You L. et al. (2009). Osthole: A promising lead compound for drug discovery from a traditional Chinese medicine (TCM). Nat. Prod. Commun., 4, 297.

For in vitro laboratory use only. Not for human or animal use.

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