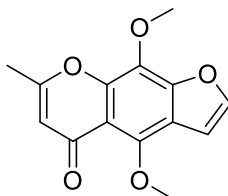


Khellin

Code No.: **BIA-K2592**

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



Synonyms : 5,8-Dimethoxy-2-methyl-6,7-furanochromone

Specifications

CAS #	: 82-02-0
Molecular Formula	: C₁₄H₁₂O₅
Molecular Weight	: 260.24
Source	: <i>Ammi visnaga</i>
Appearance	: Pale yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Khellin is a constituent of the fruit of *Ammi visnaga* structurally related to psoralen. Khellin displays a range of pharmacological activities including anthelmintic, bronchodilator, vasodilator and antidiabetic properties. Khellin exhibits spasmolytic activity. Khellin is a photosensitising agent which has been used for the treatment of vitiligo in humans. Khellin may intercalate with DNA.

References

1. S 6. Furochromones. Part I. The synthesis of khellin. Baxter R.A. et al. J Chem Soc. 1949, S30-S33.
2. Pharmacological actions of the crystalline principles of *Ammi visnaga*. Anrep G.V. et al. J Pharmacy Pharmacol. 1949, 1, 164.
3. Phototherapeutic, photobiologic, and photosensitizing properties of khellin. Morliere D. et al. J Inv Dermatol. 1988, 90, 720.
4. Computational study of khellin excited states and photobinding to DNA. Omar S. and Eriksson L.A. Photochem Photobiol Sci. 2009, 8, 1179.