

PRODUCT DATA SHEET

Code No.: BIA-M1446

Pack sizes: 1 mg, 5 mg

Synonyms: 6-O-Methyloxaline, Meleagrine

Specifications

Meleagrin

CAS # : 71751-77-4 Molecular Formula : $C_{23}H_{23}N_5O_4$

Molecular Weight : 433.5

Source : Penicillium sp.

Appearance : Light tan to tan solid

Purity : >98% by HPLC

Long Term Storage : -20°C

Solubility : Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Meleagrin is an alkaloid with antitumor and antibiotic activity, isolated from a number of species of Penicillium. Meleagrin is a common taxonomic marker for fungal contamination of foodstuffs. Despite its wide detection in the environment, the mode of action and bioprofile has not been extensively reported. Note that meleagrin, the fungal metabolite, should not be confused with the low molecular weight protein, also meleagrin.

References

- 1. Isolation of radicicol from Penicillium luteo-aurantium, and meleagrin, a new metabolite from Penicillium meleagrinum. Nozawa K. & Nakajima S. J. Nat. Prod. 1979, 42, 374.
- 2. Production of mycotoxins on artificially and naturally infested building materials. Nielsen K.F. et al. Mycopathologia 1999, 145, 43.
- 3. Mass spectrometry-based chemotaxonomic classification of Penicillium species (P. echinulatum, P. expansum, P. solitum, and P. oxalicum) and its correlation with antioxidant activity. Kim H.Y. J. Microbiol. Methods 2012, 90, 327.

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