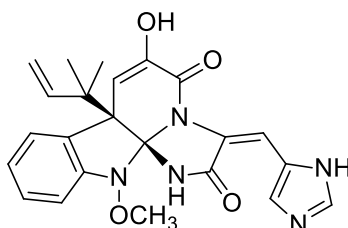


Meleagrín

Code No.: **BIA-M1446**

Pack sizes: **1 mg, 5 mg**



Synonyms : 6-O-Methyloxaline, Meleagrine

Specifications

CAS #	: 71751-77-4
Molecular Formula	: C ₂₃ H ₂₃ N ₅ O ₄
Molecular Weight	: 433.5
Source	: <i>Penicillium</i> sp.
Appearance	: Light tan to tan solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Meleagrín is an alkaloid with antitumor and antibiotic activity, isolated from a number of species of *Penicillium*. Meleagrín 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 meleagrín, the fungal metabolite, should not be confused with the low molecular weight protein, also meleagrín.

References

1. Isolation of radicicol from *Penicillium luteo-aurantium*, and meleagrín, 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.