

Product Name:	Meleagrins
Product Number:	M050
CAS Number:	71751-77-4
Molecular Formula:	C ₂₃ H ₂₃ N ₅ O ₄
Molecular Weight:	433.5
Appearance:	Light tan to tan solid
Storage Conditions:	-20°C
Description:	<p>Meleagrins is an alkaloid with antitumor and antibiotic activity, isolated from a number of species of <i>Penicillium</i>. Meleagrins is a common taxonomic marker for fungal contamination of foodstuffs. Note that meleagrins, the fungal metabolite, should not be confused with the low molecular weight protein, also meleagrins.</p> <p>Meleagrins is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</p>
Mechanism of Action:	Despite its wide detection in the environment, the mode of action and bioprofile has not been extensively reported.
References:	<p>Isolation of radicicol from <i>Penicillium luteo-aurantium</i>, and meleagrins, a new metabolite from <i>Penicillium meleagrinum</i>. Nozawa K. & Nakajima S. J. Nat. Prod. 1979, 42, 374.</p> <p>Production of mycotoxins on artificially and naturally infested building materials. Nielsen K.F. et al. Mycopathologia 1999, 145, 43.</p> <p>Mass spectrometry-based chemotaxonomic classification of <i>Penicillium</i> species (<i>P. echinulatum</i>, <i>P. expansum</i>, <i>P. solitum</i>, and <i>P. oxalicum</i>) and its correlation with antioxidant activity. Kim H.Y. J. Microbiol. Methods 2012, 90, 327.</p>