



LKT Laboratories, Inc.

Meleagrín

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Product Information

Product ID M174446

CAS No. 71751-77-4

Chemical Name (3E,7aS,12aR)-6-Hydroxy-3-(1H-imidazol-4-ylmethylene)-12-methoxy-7a-(2-methyl-3-buten-2-yl)-7a,12-dihydro-1H,5H-imidazo[1',2':1,2]pyrido[2,3-b]indole-2,5(3H)-dione

Synonym Meleagrín;6-O-Methyloxaline, Meleagrín

Formula C₂₃H₂₃N₅O₄

Formula Wt. 433.47

Melting Point

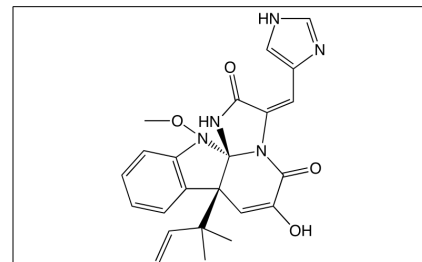
Purity ≥99%

Solubility

Store Temp -20° C

Ship Temp Ambient

Description Meleagrín is an indole alkaloid isolated from the fungus *Penicillium chrysogenum*. This FabI inhibiting antibiotic has also been found to have anti-tumor activities in various cell lines.



Bulk quantities available upon request

Product ID	Size
M174446	100 µg
M174446	1 mg
M174446	5 mg

References García-Estrada C1, Ullán RV, Albillos SM, et al. A single cluster of coregulated genes encodes the biosynthesis of the mycotoxins roquefortine C and meleagrín in *Penicillium chrysogenum*. *Chem Biol.* 2011, 18(11):1499-512. doi: 10.1016/j.chembiol.2011.08.012. PMID: 22118684

Du L1, Feng T, Zhao B, et al. Alkaloids from a deep ocean sediment-derived fungus *Penicillium* sp. and their antitumor activities. *J Antibiot (Tokyo).* 2010, 63(4):165-70. PMID: 20186171

Mady MS, Mohyeldin MM, Ebrahim HY, et al. The indole alkaloid meleagrín, from the olive tree endophytic fungus *Penicillium chrysogenum*, as a novel lead for the control of c-Met-dependent breast cancer proliferation, migration and invasion. *Bioorg Med Chem.* 2016, 15;24(2):113-22. PMID: 26692349.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.