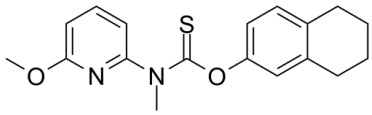
Data Sheet

Product Name:	Liranaftate
Cat. No.:	CS-2394
CAS No.:	88678-31-3
Molecular Formula:	C18H20N2O2S
Molecular Weight:	328.43
Target:	Fungal
Pathway:	Anti-infection
Solubility:	DMSO : < 1 mg/mL (insoluble or slightly soluble)



BIOLOGICAL ACTIVITY:

Liranaftate is a squalene epoxidase inhibitor with anti-fungicidal activities. Target: Antifungal Liranaftate showed excellent fungistatic activity against the conidia of T. rubrum. For each of these agents, the MIC after 14 days of contact was 0.009 g/ml. The liranaftate-induced decrease in the MCC occurred from 9 days onwards; MCC at 14 days was 0.039 g/ml [1]. In time-kill studies, liranaftate showed the greatest decrease to a below detection limit in viable counts of T rubrum. The degree of killing of the strain by amorolfine was not greater than that seen by liranaftate, and little reduction of the viable counts by luliconazole and ketoconazole was observed irrespective of concentrations of the agents [2].

References:

[1]. Oku, Y., et al., [Fungicidal activity of liranaftate against Trichophyton rubrum]. Nihon Ishinkin Gakkai Zasshi, 2002. 43(3): p. 181-7.

[2]. Oku, Y., N. Takahashi, and K. Yokoyama, [Fungicidal activity of liranaftate against dermatophytes]. Nihon Ishinkin Gakkai Zasshi, 2009. 50(1): p. 9-13.

CAIndexNames:

Carbamothioic acid, N-(6-methoxy-2-pyridinyl)-N-methyl-, O-(5,6,7,8-tetrahydro-2-naphthalenyl) ester

SMILES:

S=C(OC1=CC=C2CCCCC2=C1)N(C3=NC(OC)=CC=C3)C

Caution: Product has not been fully validated for medical applications. For research use only.

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