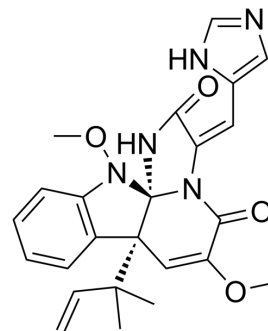


Oxaline

Cat. No.:	HY-N8287
CAS No.:	55623-37-5
Molecular Formula:	C ₂₄ H ₂₅ N ₅ O ₄
Molecular Weight:	447.49
Target:	Microtubule/Tubulin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Oxaline is a fungal alkaloid that can be isolated from *Penicillium oxalicum*. Oxaline inhibits tubulin polymerization, resulting in cell cycle arrest at the M phase^{[1][2]}.

REFERENCES

[1]. Nagel D W, et al. X-Ray structure of oxaline: a novel alkaloid from *Penicillium oxalicum*. *Journal of the Chemical Society. Chemical Communications*. 1974 (24): 1021-1022.

[2]. Koizumi Y, et al. Oxaline, a fungal alkaloid, arrests the cell cycle in M phase by inhibition of tubulin polymerization. *Biochim Biophys Acta*. 2004 Jul 23;1693(1):47-55.

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

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