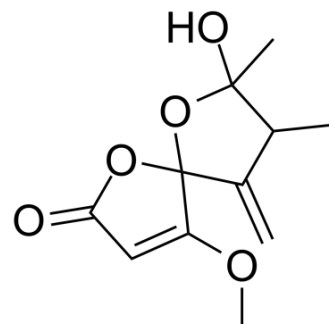


Papyracillic acid

Cat. No.:	HY-N8536
CAS No.:	179308-49-7
Molecular Formula:	C ₁₁ H ₁₄ O ₅
Molecular Weight:	226.23
Target:	Fungal; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Papyracillic acid, a fungal metabolite, a Penicillic acid analog, is a nonselective herbicide. Papyracillic acid has anti-bacterial, anti-fungal, nematicidal, and phytotoxic effects ^[1] .
In Vitro	Papyracillic acid at the concentration of 1 mg/mL is phytotoxic both for the host plant and a number of nonhost plants of the fungus. Papyracillic acid is active against bacteria (<i>Xanthomonas campestris</i> and <i>Bacillus subtilis</i>) and the fungus <i>Candida tropicalis</i> at 6 µg/disk ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Antonio Evidente, et al. Papyracillic acid, a phytotoxic 1,6-dioxaspiro[4,4]nonene produced by *Ascochyta agropyrina* Var. *nana*, a potential mycoherbicide for *Elytrigia repens* biocontrol. *J Agric Food Chem.* 2009 Dec 9;57(23):11168-73.

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

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