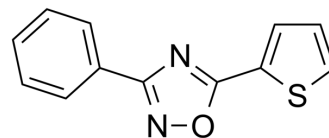


Tioxazafen

Cat. No.:	HY-136240
CAS No.:	330459-31-9
Molecular Formula:	C ₁₂ H ₈ N ₂ OS
Molecular Weight:	228.27
Target:	Parasite
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Tioxazafen is a disubstituted oxadiazole and a broad-spectrum seed treatment nematicide. Tioxazafen is designed to provide consistent broad-spectrum control of nematodes in corn, soy, and cotton ^[1] .
IC₅₀ & Target	Nematodes ^[1]
In Vitro	Tioxazafen has direct nematicidal activity against RKN (<i>M. incognita</i>) and SCN (<i>H. glycines</i>) and is as effective as nematicidal active ingredients of commercial standards in causing nematode mortality. Tioxazafen exhibits excellent activity against soybean cyst, root knot, and reniform nematodes in soy; lesion, root knot, and needle nematodes in corn; as well as reniform and root knot nematodes in cotton ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Urszula Slomczynska, et al. Tioxazafen: A New Broad-Spectrum Seed Treatment Nematicide. *Discovery and Synthesis of Crop Protection Products*. 2015, Chapter 10: pp 129-147.

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

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