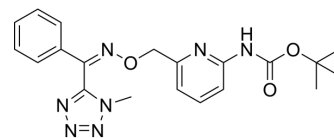


Picarbutrazox

Cat. No.:	HY-148423
CAS No.:	500207-04-5
Molecular Formula:	C ₂₀ H ₂₃ N ₇ O ₃
Molecular Weight:	409.44
Target:	Fungal; Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Picarbutrazox is a potent pesticide and fungicide. Picarbutrazox can be used for corn and soybean to control Pythium and Phytophthora. Picarbutrazox can be used in agricultural production and control ^{[1][2]} .
In Vitro	Picarbutrazox causes swelling and hyperbranching of mycelia and inhibits zoospore formation, zoospore encystment and cystospore germination ^[1] . Picarbutrazox inhibits mycelial growth inhibition of Pythium at concentrations of 0.00001-0.1 mg.ai/L ^[2] . Testing Pythium are sensitive to Picarbutrazox with a mean EC ₅₀ value of 0.000434 mg.ai/L ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Umetsu N, Shirai Y. Development of novel pesticides in the 21st century. J Pestic Sci. 2020 May 20;45(2):54-74.
- [2]. Gilberto Olaya, et al. Picarbutrazox sensitivity of different Pythium species. 2018.

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

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