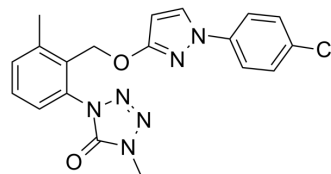


Metiltetraprole

Cat. No.:	HY-146145
CAS No.:	1472649-01-6
Molecular Formula:	C ₁₉ H ₁₇ ClN ₆ O ₂
Molecular Weight:	396.83
Target:	Fungal; Mitochondrial Metabolism
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Metiltetraprole is a promising fungicide with EC₅₀ values of both 0.002 ppm against sensitive wild-type and G143A mutant of *Zyloseptoria tritici*. Metiltetraprole is effective against QoI (quinone outside inhibitor) resistant strains. Metiltetraprole inhibits the respiratory chain via complex III^{[1][2]}.

REFERENCES

- [1]. Matsuzaki Y, et al. Discovery of metiltetraprole: Identification of tetrazolinone pharmacophore to overcome QoI resistance. *Bioorg Med Chem*. 2020 Jan 1;28(1):115211.
- [2]. Suemoto H, et al. Metiltetraprole, a novel putative complex III inhibitor, targets known QoI-resistant strains of *Zyloseptoria tritici* and *Pyrenophora teres*. *Pest Manag Sci*. 2019 Apr;75(4):1181-1189.

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

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