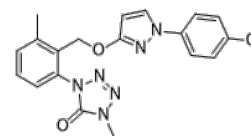


Product Name : Metyltetraprole
Cat. No. : PC-26738
CAS No. : 1472649-01-6
Molecular Formula : C₁₉H₁₇ClN₆O₂
Molecular Weight : 396.84
Target : Fungal
Solubility : 10 mM in DMSO



Biological Activity

Metyltetraprole is a potent tetrazolinone fungicide with EC₅₀ 0.002 ppm for both WT and G143A mutant *Zyloseptoria tritici*, overcomes QoI resistance.

Metyltetraprole inhibits electron transfer from succinate to cytochrome c and also from nicotinamide adenine dinucleotide (NADH) to ubiquinone.

Metyltetraprole likely targets *Z. tritici* mitochondria Qo site of the cytochrome bc₁ complex, as well as pyraclostrobin, a known QoI.

References

Arakawa A, et al. PLoS One. 2018 Nov 19;13(11):e0207673.

Suemoto H, et al. Pest Manag Sci. 2019 Apr;75(4):1181-1189.

Matsuzaki Y, et al. Bioorg Med Chem. 2020 Jan 1;28(1):115211.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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