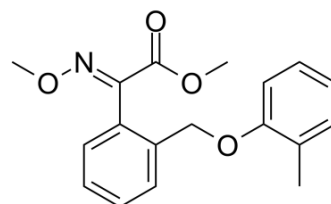


Kresoxim-methyl

Cat. No.:	HY-125776
CAS No.:	143390-89-0
Molecular Formula:	C ₁₈ H ₁₉ NO ₄
Molecular Weight:	313.35
Target:	Fungal; Mitochondrial Metabolism
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Kresoxim-methyl (BAS 490 F), a Strobilurin-based fungicide, inhibits the respiration at the complex III (cytochrome bc1 complex) . Kresoxim-methyl binds to complex III from yeast with an apparent K _d of 0.07 μM proving a high affinity for this enzyme ^{[1][2]} .
In Vitro	Kresoxim-methyl affects antioxidant response, mitochondrial function and motility of neuroblastoma N2a cells upon 24h exposure ^[3] .

REFERENCES

- [1]. Roehl F. Binding of BAS 490 F to bc1-complex from yeast. *Biochem Soc Trans.* 1994;22(1):64S.
- [2]. Köhle H, et al. Biokinetic properties of BAS 490 F and some related compounds. *Biochem Soc Trans.* 1994;22(1):65S.
- [3]. Flampouri E, et al. Strobilurin fungicide kresoxim-methyl effects on a cancerous neural cell line: oxidant/antioxidant responses and in vitro migration. *Toxicol Mech Methods.* 2018;28(9):709-716.

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

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