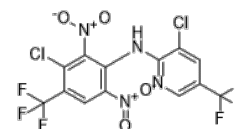


Product Name : Fluazinam
Cat. No. : PC-27213
CAS No. : 79622-59-6
Molecular Formula : C₁₃H₄Cl₂F₆N₄O₄
Molecular Weight : 465.09
Target : Fungal
Solubility : 10 mM in DMSO



Biological Activity

Fluazinam is a broad-spectrum, orally active fungicide and acaricide and potent uncoupler of oxidative phosphorylation. Fluazinam targets mitochondrial complex I to induce reactive oxygen species-dependent cytotoxicity in SH-SY5Y cells. Fluazinam binds with the ATP synthase subunit F₁ATPase but not with F₀ATPase or F₀ATPase of *Fusarium fujikuroi*.

References

- Tokutake N, et al. *Biochim Biophys Acta*. 1991 May 6;1057(3):377-83.
Mitani S, et al. *Pest Manag Sci*. 2003 Mar;59(3):287-93.
Lee JE, et al. *Neurotoxicology*. 2011 Dec;32(6):702-10.

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

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