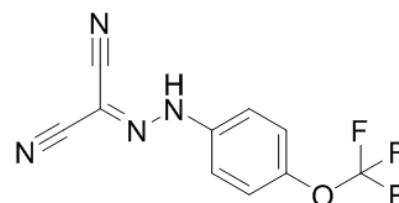


Product Name : FCCP
Cat. No. : PC-42141
CAS No. : 370-86-5
Molecular Formula : C₁₀H₅F₃N₄O
Molecular Weight : 254.1681
Target : Other Targets
Solubility : DMSO: ≥ 2.6 mg/mL



Biological Activity

A potent ionophore and uncoupler of oxidative phosphorylation in mitochondria that disrupts ATP synthesis by transporting protons across cell membranes; induces the complete disruption of cellular microtubules through a dual operation: increasing the intracellular pH by the disruption of the mitochondrial H⁺ gradient and decreasing the stability of microtubules by impairing the binding of microtubule-associated proteins.

References

- Parker VH. Biochem J. 1965 Dec;97(3):658-62.
Benz R, et al. Biophys J. 1983 Mar;41(3):381-98.
Maro B, et al. EMBO J. 1982;1(11):1347-52.

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

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