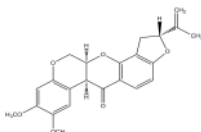


PRODUCT: Rotenone**ALTERNATE NAME:** (2*R*,6*aS*,12*aS*)-1,2,12,12*a*-Tetrahydro-8,9-dimethoxy-2-(1-methylethenyl)-[1]benzopyrano[3,4-*b*]furo[2,3-*h*][1]benzopyran-6(6*aH*)-one**CATALOG #:** 2248-250, 1000**AMOUNT:** 250 mg, 1g**STRUCTURE:****MOLECULAR FORMULA:** C₂₃H₂₂O₆**MOLECULAR WEIGHT:** 394.42**CAS NUMBER:** 83-79-4**APPEARANCE:** White to yellow solid**SOLUBILITY:** DMSO (100 mM) or EtOH (5 mM)**PURITY:** ≥95% by HPLC**STORAGE:** At -20°C. Protect from light and moisture**DESCRIPTION:** A broad spectrum insecticide that is cell-permeable and brain-permeable. Acts as a mitochondrial electron transport chain inhibitor (IC₅₀ = 1.7 - 2.2 μM at complex I). Inhibits NADH oxidation by cardiac sarcoplasmic reticulum (IC₅₀ = 3.4 nM). Neurotoxic agent that has also been used successfully to reproduce Parkinsons-like characteristics in *in-vitro* slice culture models.**REFERENCE:** Marella, M., *et al.* (2008). *PLoS One* 3, e1433; Gomez, C., *et al.* (2007). *Front. Biosci.* 12, 1079-1093.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Antimycin A (Cat. No. 2247-5, 25)

Aptenin A5 (Cat. No. 2210-250, 1000)

Auranofin (Cat. No. 2219-10, 50)

Bilobalide (Cat. No. 2028-10, 50)

Decylubiquinone (Cat. No. 2099-1, 10)

JC-1 (Cat. No. 1130-5)

Phenformin hydrochloride (Cat. No. 1889-100, 1000)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**