

Product Name: Rotenone

Cat. No.: BIAOP-2505-CXX-20

Package: 50 mg/ 1 g

Description

Rotenone, the most common rotenoid, inhibits mitochondrial complex I (IC₅₀ = 1.7–2.2 μM) and NADH oxidation by cardiac sarcoplasmic reticulum (IC₅₀ = 3.4 nM).

Product Details

Formal Name: (2R, 6aS, 12aS)-1, 2, 12, 12a-Tetrahydro-8, 9-dimethoxy-2-(1-methylethenyl)-[1]benzopyrano[3, 4-b]furo[2, 3-h][1]benzopyran-6(6aH)-one

Synonyms: Nicouline; NSC-26285

Purity: >98%

CAS Number: 83-79-4

Formula: C₂₃H₂₂O₆

Molecular Weight: 394.4

Appearance: Powder

Solubility: Dissolves in DMSO (up to 50 mg/mL)

Stability: ≥ 2 years

Application Procedures: First, dissolve in DMSO (50 mg/mL), and then dilute it into an aqueous buffer. Solutions in DMSO can be stored at -20°C for up to 3 months.

Storage Information: Room Temperature

Application

Mitochondrial Complex I Inhibitor

 For preclinical research and development use only; not intended for therapeutic or other applications.