



CERTIFICATE OF ANALYSIS

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1. Identification

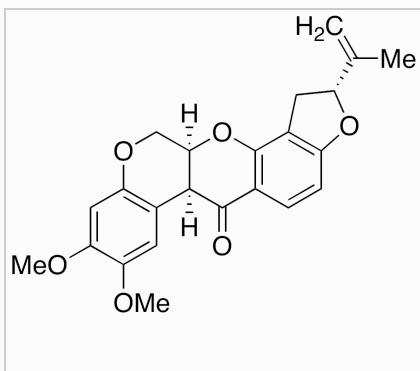
Catalogue Number: R700580

CAS Number: 83-79-4

Synonym: (-)-Rotenone; (-)-cis-Rotenone; 5' β -Rotenone; CFT Legumine; Cube-Pulver; Dactinol; Deril; Derrin; Derris; Derris (insecticide); Dri-kil; Liquid Derris; NSC 26258; NSC 8505; Nicouline; Noxfish; Paraderil; Ronone; Rotena; Rotenon; Rotenox; Rotocide; Tubatoxin; 1,2,12,12a-Tetrahydro-2 α -isopropenyl-8,9-dimethoxy-[1]benzopyrano[3,4-b]furo[2,3-h][1]benzopyran-6(6aH)-one; (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

Product: Rotenone

Structure:



Molecular Formula:

C₂₃H₂₂O₆

Molecular weight:

394.42

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly)

Lot Number: 7-JTN-82-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Beige Solid	Off-White to Pale Beige Solid
HPLC Purity	Report Result	96.81% (300 nm)
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 69.63, %H: 5.57
MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Chanell Chu	2/2/2023	1/31/2027
