Rotenone

Insecticide. Inhibitor of mitochondrial electron transport. Specifically inhibits NAD-linked substrate oxidation at the oxygen side of NADH dehydrogenase (EC_{50}=10pmol/mg). Inhibits mammalian cell proliferation by inhibiting microtubule assembly through tubulin binding. Can inhibit mitochondrial swelling and cytochrome c release induced by N-methyl-4-phenylpyridinium.

Citations: 19 View Online »

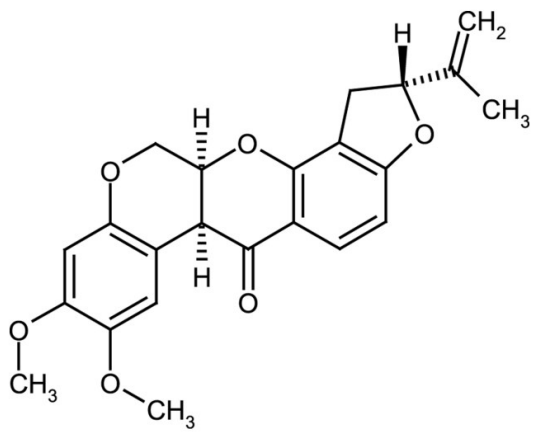
Ordering Information

Order Online »

ALX-350-360-G001	1g
ALX-350-360-G005	5g

Manuals, SDS & CofA

View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White to off-white solid.
CAS	83-79-4
Couple Target	Mitochondrial complex
Couple Type	Inhibitor
Formula	$C_{23}H_{22}O_6$
MI	**14:** 8271
MW	394.4
Purity	≥97% (UHPLC)
RTECS	DJ2800000
Solubility	Soluble in DMSO or 100% ethanol; slightly soluble in water.
Source	Isolated from *Lonchocarpus* sp. or *Derris* sp.

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