

Ruthenium Red

Chemical Properties

CAS No.:	11103-72-3
Formula:	N/A
Molecular Weight:	N/A
Appearance:	Red Crystalline
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Ruthenium Red is a polycationic dye widely used for electron microscopy (EM) of cells, tissues and vegetative bacteria. Ruthenium red strongly reacts with phospholipids and fatty acids and binds to acidic mucopolysaccharides. Ruthenium red is a L-type calcium current (ICa) blocker, blocks Ca ²⁺ uptake and release, and voltage-sensitive Ca ²⁺ channels
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Solubility Information

Solubility	H ₂ O: < 0.1 mg/mL (insoluble) DMSO: 10 mg/mL (Need ultrasonic (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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