## **Certificate of Analysis**

## **Ruthenium red**

Cat. No.: HY-103311
CAS No.: 11103-72-3
Batch No.: 121269

Chemical Name: Ruthenium red (9CI, ACI)

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $Cl_6H_{42}N_{14}O_2Ru_3$ 

Molecular Weight: 786.35

**Storage:** 4°C, protect from light

\* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)

**Chemical Structure:** 

## **ANALYTICAL DATA**

Appearance: Brown to black (Solid)

Purity: ≥97.0% PH: 7.1

**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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