

Product Name: ReZolve-ER™

Catalog No.: 6640

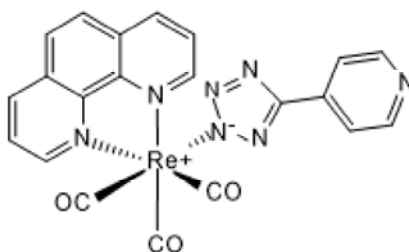
Batch No.: 1

CAS Number: 1404104-40-0

IUPAC Name: (OC-6-33)-Tricarbonyl(1,10-phenanthroline-κN¹,κN¹⁰)[4-(2H-terazol-5-yl-κN²)pyridinato]Rhenium

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₁ H ₁₂ N ₇ O ₃ Re
Batch Molecular Weight:	596.58
Physical Appearance:	Yellow solid
Solubility:	DMSO to 10 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 100% purity
Mass Spectrum:	Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Fluorescent endoplasmic reticulum and plasma membrane stain. Exhibits rapid uptake in live cells. Displays low cytotoxicity and is resistant to photobleaching. Suitable for imaging live and fixed cells in short and long time course experiments. Compatible with fluorescent microscopy using single photon excitation at 403 nm or two-photon excitation between 800 and 830 nm. Excitation/emission λ: 350-405 nm / 500-650 nm.

Physical and Chemical Properties:

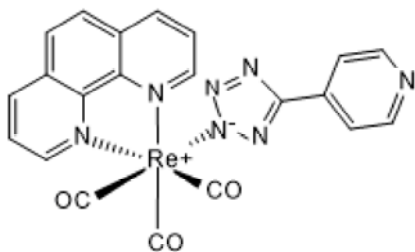
Batch Molecular Formula: C₂₁H₁₂N₇O₃Re

Batch Molecular Weight: 596.58

Physical Appearance: Yellow solid

Minimum Purity: >95%

Batch Molecular Structure:



References:

Bader et al (2016) Imaging nuclear, endoplasmic reticulum and plasma membrane events in real time. *FEBS Lett.* **590** 3051. PMID: 27543777.

Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 10 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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