

Product Data Sheet

Product Name: ReZolve-ER™

Cat. No.: GC44823

Chemical Properties

Cas. No. 1404104-40-0

SMILES [O]#[C][Re+](C#[O])([N]1=CC=CC2=CC=C3C4=C12)([N]4=CC=C3)([N-]5N=C(C6=CC=N C=C6)N=N5)C#[O]

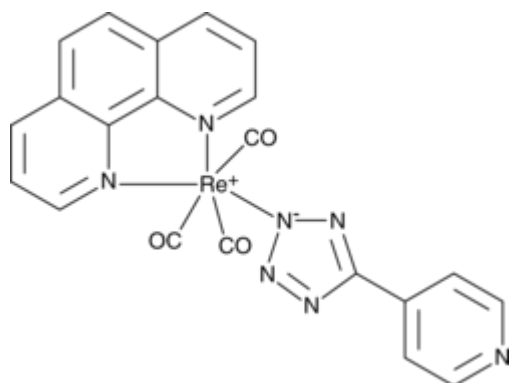
Formula $C_{21}H_{12}N_7O_3Re$ M.Wt 596.6

Solubility DMSO : ≥ 33.33 mg/mL (55.87 mM) Storage Store at 2-8°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

ReZolve-ER™ is a fluorogenic probe that can be used to label the endoplasmic reticulum in live and fixed cells. It easily crosses live cell membranes and accumulates in the endoplasmic reticulum, and its fluorescence can be used to assess endoplasmic reticulum structures using epifluorescent, confocal, and two-photon microscopy. ReZolve-ER™ can be washed from live cells and has low cytotoxicity making it suitable for intermittent monitoring. ReZolve-ER™ displays excitation/emission maxima of 405/570 nm, respectively, and can be used for live and fixed cell applications.

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

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