

## Antiproliferative agent-10

## Chemical Properties

CAS No. :

Formula: C<sub>35</sub>H<sub>36</sub>Cl<sub>2</sub>N<sub>7</sub>PRu

Molecular Weight: 757.66

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

|               |   |
|---------------|---|
| Description   | Antiproliferative Agent-10, a ruthenium(II)-tris-pyrazolylmethane complex, functions as an anti-tumor compound by impeding cancer cell growth through the inhibition of mitochondrial calcium uptake. |
| Targets(IC50) | Others,Mitochondrial Metabolism   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.3199 mL | 6.5993 mL | 13.1985 mL |
| 5 mM  | 0.264 mL  | 1.3199 mL | 2.6397 mL  |
| 10 mM | 0.132 mL  | 0.6599 mL | 1.3199 mL  |
| 50 mM | 0.0264 mL | 0.132 mL  | 0.264 mL   |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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