

## Ruthenoleuton

## Chemical Properties

CAS No. :

Formula: C<sub>13</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>Ru

Molecular Weight: 333.35

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	Ruthenoleuton is a 5-lipoxygenase (5-LOX) inhibitor with an IC <sub>50</sub> of 3.49 μM and a Ki of 0.80 μM. It possesses antioxidant properties and is applicable in research on inflammatory diseases.
Targets(IC <sub>50</sub> )	Lipoxygenase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9999 mL	14.9993 mL	29.9985 mL
5 mM	0.600 mL	2.9999 mL	5.9997 mL
10 mM	0.300 mL	1.4999 mL	2.9999 mL
50 mM	0.060 mL	0.300 mL	0.600 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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