Tetrapropylammonium perruthenate

Cat. No.: HY-W007801

CAS No.: 114615-82-6

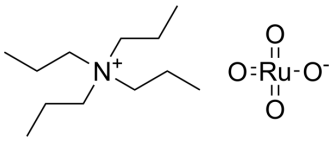
Molecular Formula: $C_{12}H_{28}NO_4Ru$

Molecular Weight: 351.43

Target: Biochemical Assay Reagents

Pathway: Others

Storage: 4°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (142.28 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.8455 mL	14.2276 mL	28.4552 mL
	5 mM	0.5691 mL	2.8455 mL	5.6910 mL
	10 mM	0.2846 mL	1.4228 mL	2.8455 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Tetrapropylammonium perruthenate (TPAP) is an organic compound commonly used as a catalyst and oxidizing agent. It can play an oxidation role in some organic synthesis reactions, and can catalyze the oxidation reactions of olefins and aromatic compounds. In addition, the compound is widely used in some industrial production areas, such as in the application of plastics, rubber and textile manufacturing processes.

In Vitro

Tetrapropylammonium perruthenate is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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