

Cerium oxide

Chemical Properties

CAS No. : 1306-38-3

Formula: CeO₂

Molecular Weight: 172.115

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	Cerium oxide, 99.99% metals basis, <5 μm, functions as a biochemical analysis reagent with anti-inflammatory properties and mimics the activity of SOD and catalase. It is applicable in treating chronic inflammation and is utilized in industrial applications such as solid oxide fuel cells, solar cells, catalysts, oxygen pumps, and gas sensors.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8099 mL	29.0495 mL	58.099 mL
5 mM	1.162 mL	5.8099 mL	11.6198 mL
10 mM	0.581 mL	2.905 mL	5.8099 mL
50 mM	0.1162 mL	0.581 mL	1.162 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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