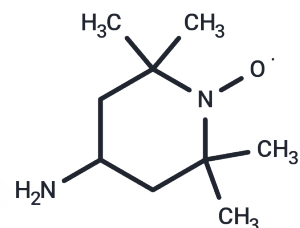


4-Amino-tempo

Chemical Properties

CAS No. :	14691-88-4
Formula:	C ₉ H ₁₉ N ₂ O
Molecular Weight:	171.26
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	4-Amino-TEMPO is employed as a spin label to detect free radicals and the damage they cause. It mimics the activity of superoxide dismutase and can easily penetrate cells, thus safeguarding them against oxidative damage induced by H ₂ O ₂ . Moreover, 4-Amino-TEMPO demonstrates significant radioprotective properties, effectively shielding DNA from oxidative stress damage caused by UV irradiation by maintaining a positive charge. Additionally, 4-Amino-TEMPO serves as a highly selective oxidation catalyst and is extensively used in the development of various specialty chemicals, including fragrances and pesticides.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8391 mL	29.1954 mL	58.3908 mL
5 mM	1.1678 mL	5.8391 mL	11.6782 mL
10 mM	0.5839 mL	2.9195 mL	5.8391 mL
50 mM	0.1168 mL	0.5839 mL	1.1678 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481