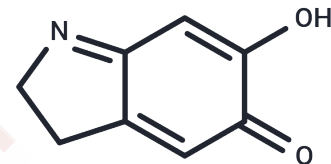


Dopaminechrome

Chemical Properties

CAS No. : 39984-17-3
 Formula: C₈H₇NO₂
 Molecular Weight: 149.147
 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	Dopaminechrome (DACHR) is an oxidation product of dopamine that promotes the generation of H ₂ O ₂ at mitochondrial complex I in the brain in a concentration- and respiration-dependent manner. It possesses neurotoxic properties and can be utilized in Parkinson's disease research.
Targets(IC50)	Mitochondrial Metabolism, Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7047 mL	33.5233 mL	67.0466 mL
5 mM	1.3409 mL	6.7047 mL	13.4093 mL
10 mM	0.6705 mL	3.3523 mL	6.7047 mL
50 mM	0.1341 mL	0.6705 mL	1.3409 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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