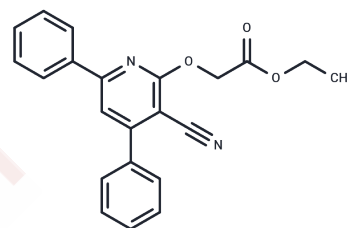


HTS07545

Chemical Properties

CAS No. : 118666-03-8
 Formula: C₂₂H₁₈N₂O₃
 Molecular Weight: 358.39
 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	HTS07545 is a potent sulfide:quinone oxidoreductase inhibitor (IC ₅₀ : 30 nM) that reduces the rate of hydrogen sulfide (H ₂ S) decomposition and has been used in heart failure studies.
Targets(IC ₅₀)	Others, Mitochondrial Metabolism, NADPH

Solubility Information

Solubility	DMSO: 90 mg/mL (251.12 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7903 mL	13.9513 mL	27.9026 mL
5 mM	0.5581 mL	2.7903 mL	5.5805 mL
10 mM	0.279 mL	1.3951 mL	2.7903 mL
50 mM	0.0558 mL	0.279 mL	0.5581 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.

Reference

Baugh SDP, et al. Synthesis and evaluation of potent novel inhibitors of human sulfide:quinone oxidoreductase. *Bioorg Med Chem Lett.* 2021;54:128443.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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