

Mitochondrial respiration-IN-1 hydrobromide

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	Mitochondrial respiration-IN-1 hydrobromide (compound 49) is a potent mitochondrial inhibitor (IC50 = 8.8 mg/mL) and significantly reduces mitochondrial respiration in platelets [1].
Targets(IC50)	Others,Mitochondrial Metabolism

Solubility Information

Solubility	DMSO: 66.67 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 5 mg/mL,Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Reference

James P. Collman, et al. Reducing Platelet Activation, Aggregation and Platelet-Stimulated Thrombosis or Blood Coagulation by Reducing Mitochondrial Respiration. US20110301180A1.

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