

Product Data Sheet

Product Name: Mitochondrial respiration-IN-1 hydrobromide

Cat. No.: GC61634

Chemical Properties

Cas. No.

SMILES O=C(OCCCC1=C(C)N=CS1)C[P+](C2=CC=CC=C2)(C3=CC=CC=C3)C4=CC=CC=C4.[H]Br.[Br-]

Formula C26H26Br2NO2PS M.Wt 607.34

Solubility Water : 100 mg/mL (164.65 mM; Need ultrasonic); DMSO: 66.67 mg/mL (109.77 mM) Storage -20°C, sealed storage, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

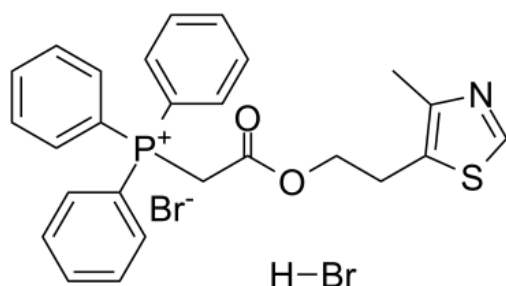
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

Mitochondrial respiration-IN-1 hydrobromide (compound 49) is a potent mitochondrial inhibitor (IC₅₀=8.8 mg/mL) extracted from patent US20110301180A1, compound 49. Mitochondrial respiration-IN-1 hydrobromide significantly reduces mitochondrial respiration in platelets[1].

[1]. 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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