
Product Data Sheet

Product Name: MitoBloCK-6

Cat. No.: GC68213

Chemical Properties

Cas. No. 303215-67-0

Formula C₁₉H₁₄Cl₂N₂O

M.Wt 357.23

Solubility DMSO : 50 mg/mL (139.97 mM; Need ultrasonic and warming)

Storage 4°C, protect from light

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.

Structure **Background**IC₅₀: 900 nM (Erv1) 700 nM (ALR) 1.4 μM (Erv2)^[1]

MitoBloCK-6 is a potent **Erv1/ALR** inhibitor, with an **IC₅₀** of 900 nM and 700 nM, respectively. MitoBloCK-6 also inhibits **Erv2 (IC₅₀=1.4 μM)**. MitoBloCK-6 can induce **Apoptosis** via cytochrome c release in hESCs^[1].

[1]. Dabir DV, et, al. A small molecule inhibitor of redox-regulated protein translocation into mitochondria. Dev Cell. 2013 Apr 15;25(1):81-92.

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