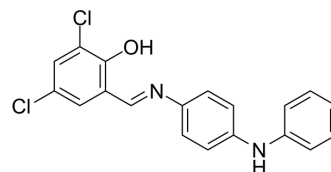


MitoBloCK-6

Cat. No.:	HY-122652
CAS No.:	303215-67-0
Molecular Formula:	C ₁₉ H ₁₄ Cl ₂ N ₂ O
Molecular Weight:	357.23
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

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

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.7993 mL	13.9966 mL	27.9932 mL
	5 mM	0.5599 mL	2.7993 mL	5.5986 mL
	10 mM	0.2799 mL	1.3997 mL	2.7993 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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].

IC₅₀ & Target

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

REFERENCES

[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.

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