



## Product Information

Product ID C9809  
CAS No. 18172-33-3  
Chemical Name

Synonym

Formula  $C_{20}H_{20}N_2O_3$   
Formula Wt. 336.39

Melting Point

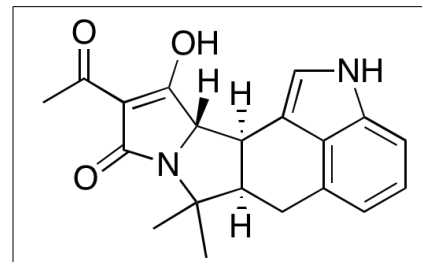
Purity  $\geq 98\%$ , TLC

Solubility DMSO, Methylene Chloride  
and Methanol.

Store Temp 4° C

Ship Temp Ambient

**Description** Cyclopiazonic acid is an inhibitor of sarco/endoplasmic reticulum  $Ca^{2+}$ /ATPase (SERCA) pumps, increasing intracellular  $Ca^{2+}$  levels and altering contractility in smooth muscle tissues. Additionally, this compound inhibits proliferation of *Plasmodium falciparum*, exhibiting some potential anti-parasitic activity.



**Bulk quantities available upon request**

Product ID	Size
C9809	5 mg
C9809	10 mg

**References** Pulcini S, Staines HM, Pittman JK, et al. Expression in yeast links field polymorphisms in PfATP6 to in vitro artemisinin resistance and identifies new inhibitor classes. *J Infect Dis.* 2013 Aug 1;208(3):468-78. PMID: 23599312.

Chericoni S, Testai L, Campeol E, et al. Vasodilator activity of *Michelia figo* Spreng. (Magnoliaceae) by in vitro functional study. *J Ethnopharmacol.* 2004 Apr;91(2-3):263-6. PMID: 15120449.

Darby PJ, Kwan CY, Daniel EE. Use of calcium pump inhibitors in the study of calcium regulation in smooth muscle. *Biol Signals.* 1993 Sep-Oct;2(5):293-304. PMID: 8038861.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.