Cyclopiazonic acid

ATPase inhibitor

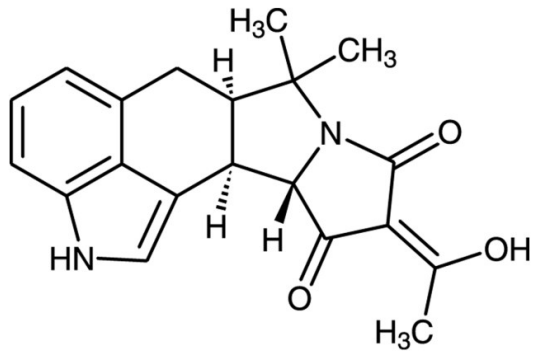
Mycotoxin. Cell permeable. Induces the release of intracellular stored Ca^{2+} without increasing IP3 levels via inhibition of endoplasmic reticulum Ca^{2+}-ATPase. Highly specific inhibitor of Ca^{2+}-ATPase of sarcoplasmic reticulum, completely inhibiting the enzyme at 6-8 nmol/mg protein (at 0.5-2.0μM ATP).

Citations: 20 View Online »

Ordering Information Order Online »

BML-CA415-0010	10mg

Manuals, SDS & CofA View Online »


H3C
CH3
H
N
O
H
H
HN
OH
O
H3C

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	CPA
Appearance	Off-white to faint yellow solid.
CAS	18172-33-3
Couple Target	ATPase
Couple Type	Inhibitor
Formula	$C_{20}H_{20}N_2O_3$
MW	336.4
Purity	≥98% (TLC)
RTECS	UY8587000
Solubility	Soluble in DMSO (20mg/ml).

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