Calmidazolium chloride

Calmodulin inhibitor

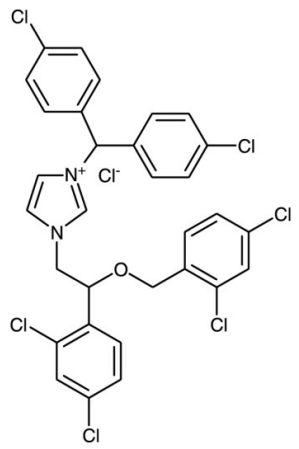
Binds reversibly to calmodulin, inhibiting calmodulin-mediated enzyme activation. It inhibits the Ca^{2+}/calmodulin-induced activation of myosin light chain kinase in a concentration dependent manner (IC_{50}=1 μM). Cell permeable. Inhibits calmodulin N-methyltransferase (K_i=65 nM). Blocks Ca^{2+}-calmodulin binding to NOS. Inhibitor of voltage-gated Ca^{2+} channels

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BML-CA300-0010	10mg
BML-CA300-0050	50mg

Manuals, SDS & CofA View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	R24571
Appearance	White powder.
CAS	57265-65-3
Couple Target	Calcium channel, Calmodulin, CAM KMT
Couple Type	Blocker, Inhibitor
Formula	$C_{31}H_{23}Cl_7N_2O$
MW	687.7
Purity	≥98% (HPLC)
Solubility	Soluble in 100% ethanol (>100mg/ml), DMSO (>100mg/ml), methanol, chloroform or propylene glycol. Almost insoluble in water.

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