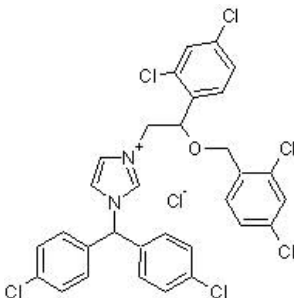


# Calmidazolium chloride, Calmodulin inhibitor ab120658

## 2 图像

### 概述

产品名称	Calmidazolium chloride, Calmodulin抑制剂
描述	Calmodulin抑制剂
生物学描述	Calmodulin inhibitor ( $IC_{50} = 10 \text{ nM}$ ). Elevates intracellular calcium, independent of calmodulin inhibition. Additionally inhibits adenylyl cylase activity.
纯度	> 98%
CAS编号	57265-65-3
化学结构	

### 性能

化学名称	3-[Bis(4-chlorophenyl)methyl]-1-[2-(2,4-dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]-1 <i>H</i> -imidazolium chloride
分子量	687.70
分子式	$C_{31}H_{23}Cl_7N_2O$
PubChem识别号	644274
存放说明	Store at $-20^{\circ}\text{C}$ . The product can be stored for up to 12 months.
溶解度概述	Soluble in ethanol to 100 mM and in DMSO to 100 mM
处理	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at <math>-20^{\circ}\text{C}</math>. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Refer to SDS for further information</p>

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

## SMILES

C1=CC(=CC=C1C(C2=CC=C(C=C2)Cl)N3C=C[N+](=C3)CC(C4=C(C=C(C=C4)Cl)Cl)OCC5=C(C=C(C=C5)Cl)Cl)Cl.[Cl-]

## 来源

Synthetic

## 应用

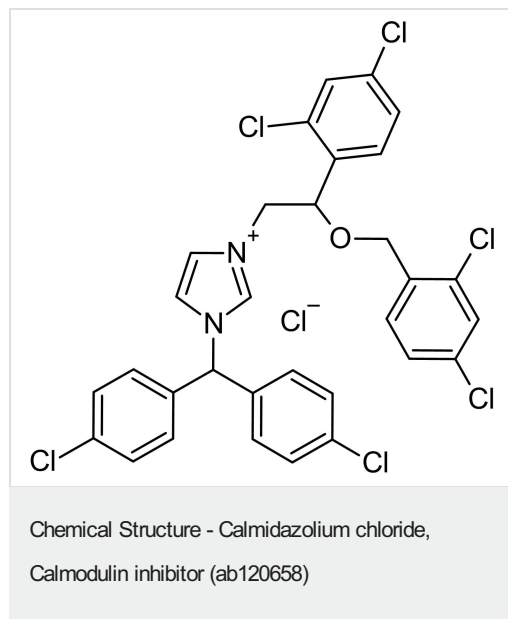
### The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab120658 于以下的经测试应用

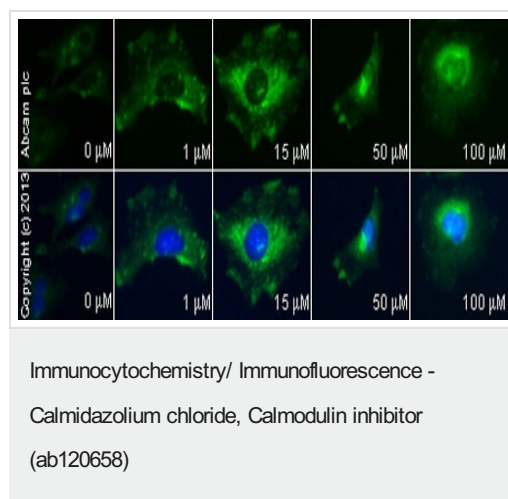
“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
Functional Studies		Use at an assay dependent concentration.

## 图片



2D chemical structure image of ab120658, Calmidazolium chloride, Calmodulin inhibitor



**ab48394** staining LC3B (LC3-II) in HeLa cells treated with calmidazolium chloride (ab120658), by ICC/IF. Increase of LC3B (LC3-II) expression correlates with increased concentration of calmidazolium chloride, as described in literature.

The cells were incubated at 37°C for 6h in media containing different concentrations of ab120658 (calmidazolium chloride) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab48394** (1 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A

DyLight 488 anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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