

Catalog Number: CM03777

## 产品信息

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CM03777

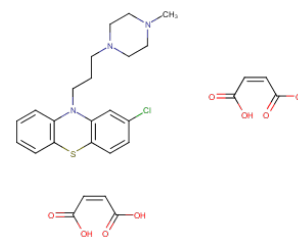
**CAS号:**  
84-02-6

**分子式:**  
C<sub>28</sub>H<sub>32</sub>ClN<sub>3</sub>O<sub>8</sub>S

**主要靶点:**  
Dopamine Receptor

**主要通路:**  
G蛋白偶联受体|神经科学

**分子量:**  
606.09

**溶解度:**  
H<sub>2</sub>O:<1 mg/mL,DMSO:15.2 mg/mL (25 mM),Ethanol:2 mg/mL (3.3 mM),warmed


## 体外活性

Prochlorperazine down-regulates cyclin E2 and reduces cell proliferation in MCF-7 cells that are resistant to tamoxifen. It has the potential to impact on estrogen receptor (ER) function and alter response to endocrine therapy[2].

## 体内活性

Prochlorperazine is showed to be able to induce antinociception in mice. prochlorperazine-treated mice show a complete integrity of motor co-ordination on the rota-rod test, normal spontaneous motility, as well as exploratory behaviour as revealed by the hole-board test. The antinociceptive effect of prochlorperazine appears to be due to the antagonism of D2 receptors since the increase of the pain threshold induced by the investigated compound is prevented by pretreatment with the D2 agonist quinpirole[1].

## 细胞实验

Cells are treated 5 μM of prochlorperazine for 5 days and cell proliferation is measured by methylene blue staining or for 2 days and cyclin E2 mRNA levels are measured by qPCR.(Only for Reference)

## 描述

Prochlorperazine maleate is a phenothiazine antipsychotic used principally in the treatment of NAUSEA; VOMITING; and VERTIGO. It is more likely than CHLORPROMAZINE to cause EXTRAPYRAMIDAL DISORDERS.

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years