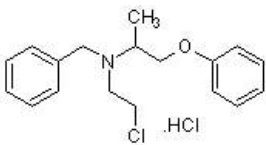


Product datasheet

# Phenoxybenzamine hydrochloride, calmodulin and alpha-adrenoceptor antagonist ab144619

1 Image

Overview

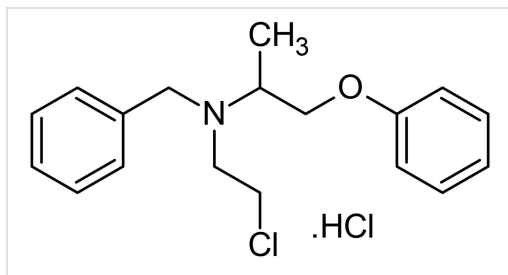
<b>Product name</b>	Phenoxybenzamine hydrochloride, calmodulin and alpha-adrenoceptor antagonist
<b>Description</b>	Irreversible calmodulin antagonist and potent, nonselective, irreversible $\alpha$ -adrenoceptor antagonist
<b>Biological description</b>	Irreversible calmodulin antagonist ( $IC_{50} \sim 80 \mu M$ ) and potent, nonselective, irreversible $\alpha$ -adrenoceptor antagonist ( $IC_{50} = 550 \text{ nM}$ ). Antihypertensive and anti-inflammatory effects <i>in vitro</i> and <i>in vivo</i> . Cell-permeable. Blood-brain barrier impermeable.
<b>Purity</b>	> 95%
<b>CAS Number</b>	63-92-3
<b>Chemical structure</b>	

Properties

<b>Chemical name</b>	N-(2-Chloroethyl)-N-(1-methyl-2-phenoxyethyl)benzylamine hydrochloride
<b>Molecular weight</b>	340.29
<b>Molecular formula</b>	$C_{18}H_{22}ClNO \cdot HCl$
<b>PubChem identifier</b>	5284441
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM and in ethanol to 100 mM
<b>Handling</b>	<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}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>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>

**SMILES**CC(COC1=CC=CC=C1)N(CCCl)CC2=CC=CC=C2.Cl**Source**

Synthetic

**Images**

2D chemical structure image of ab144619, Phenoxybenzamine hydrochloride, calmodulin and alpha-adrenoceptor antagonist

Chemical Structure - Phenoxybenzamine

hydrochloride, calmodulin and alpha-adrenoceptor antagonist (ab144619)

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

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