

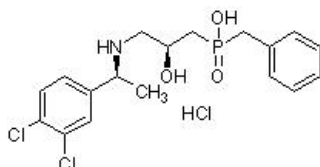
## Product datasheet

# CGP 55845 hydrochloride, GABAB antagonist ab120337

[31 References](#) [2 Images](#)

### Overview

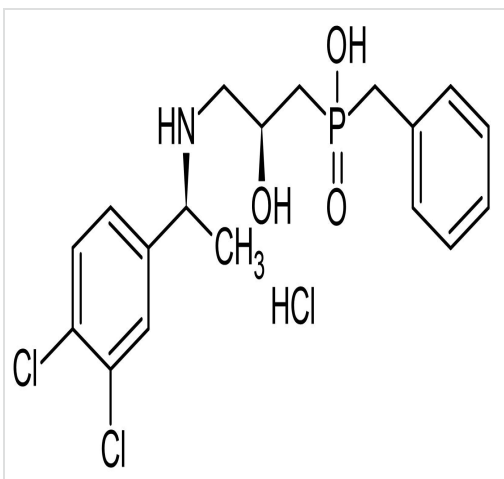
<b>Product name</b>	CGP 55845 hydrochloride, GABAB antagonist
<b>Description</b>	Potent, selective GABA <sub>B</sub> antagonist
<b>CAS Number</b>	149184-22-5
<b>Chemical structure</b>	



### Properties

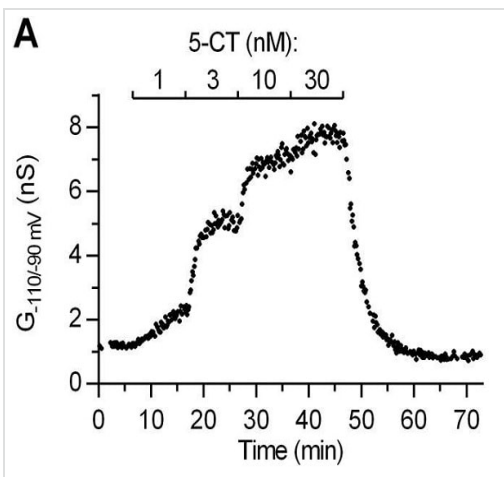
<b>Chemical name</b>	[(2S)-3-[[[(1S)-1-(3,4-Dichlorophenyl)ethyl]amino]-2-hydroxypropyl](phenylmethyl)phosphinic acid hydrochloride
<b>Molecular weight</b>	438.72
<b>Molecular formula</b>	C <sub>18</sub> H <sub>22</sub> Cl <sub>2</sub> NO <sub>3</sub> P.HCl
<b>PubChem identifier</b>	9954841
<b>Storage 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
<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 -20°C. 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>
<b>SMILES</b>	<chem>C[C@@H](C1=CC(=C(C=C1)Cl)Cl)NC[C@@H](CP(=O)(CC2=CC=CC=C2)O)O.Cl</chem>
<b>Source</b>	Synthetic

### Images



Chemical Structure - CGP 55845 hydrochloride,  
GABA<sub>B</sub> antagonist (ab120337)

2D chemical structure image of ab120337, CGP 55845  
hydrochloride, GABA<sub>B</sub> antagonist



Functional Studies - CGP 55845 hydrochloride,  
GABA<sub>B</sub> antagonist (ab120337)

Montalbano et al PLoS One. 2015 Oct  
13;10(10):e0140369. doi:  
10.1371/journal.pone.0140369. eCollection 2015. Fig 1.  
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### 5-CT-activated inwardly rectifying K<sup>+</sup> conductance in 5-HT neurons displays limited desensitization.

(A) Time-course of a representative experiment ( $n = 6$ ) showing the effect of increasing concentrations of bath applied 5-HT<sub>1A</sub> receptor agonist, 5-CT on inwardly rectifying K<sup>+</sup> conductance ( $G_{-110/-90 \text{ mV}}$ ) in a dorsal raphe 5-HT neuron. Extracellular solution contained 5.5 mM K<sup>+</sup> and a mix of synaptic blockers (including ab120337). In this Fig time indicates duration of whole-cell configuration.

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

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