

## Product datasheet

# Philanthotoxin-7,4 (PhTx-74), GluA1/GluA2 (formerly GluR1/2) inhibitor ab120257

[2 References](#) [1 Image](#)

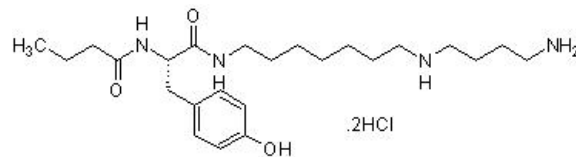
### Overview

<b>Product name</b>	Philanthotoxin-7,4 (PhTx-74), GluA1/GluA2 (formerly GluR1/2) inhibitor
<b>Description</b>	GluA1/GluA2 (formerly GluR1/2) inhibitor
<b>Biological description</b>	Selective, calcium-permeable AMPA receptor antagonist. Inhibits GluA1/A2 (formerly GluR1/2), with little activity at GluA2/A3 (formerly GluR2/3)

Also available in simple stock solutions ([ab146706](#)) - add 1 ml of water to get an exact, ready-to-use concentration.

**CAS Number** 401601-12-5

### Chemical structure



### Properties

<b>Chemical name</b>	(S)-N-[7-[(4-Aminobutyl)amino]heptyl]-4-hydroxy-α-[(1-oxobutyl)amino]benzenepropanamide dihydrochloride
<b>Molecular weight</b>	507.54
<b>Molecular formula</b>	C <sub>24</sub> H <sub>42</sub> N <sub>4</sub> O <sub>3</sub> ·2HCl
<b>PubChem identifier</b>	46213501
<b>Storage instructions</b>	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM and in DMSO to 100 mM
<b>Handling</b>	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.

Need more advice on solubility, usage and handling? Please visit our [frequently asked](#)

[questions \(FAQ\) page](#) for more details.

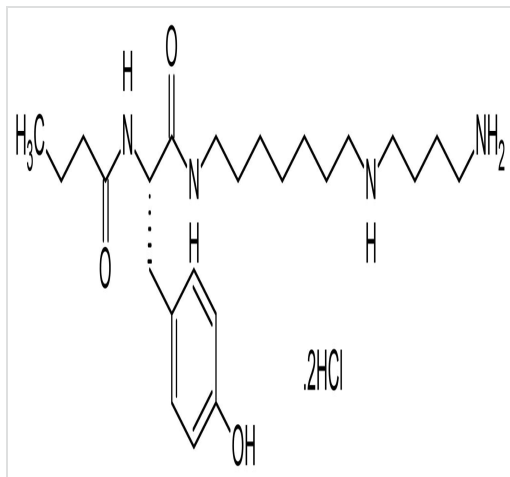
**SMILES**

Cl.Cl.Oc1ccc(C[C@H](NC(=O)CCC)C(=O)NCCCCCCCNC(CCN)cc1

**Source**

Synthetic

## Images



2D chemical structure image of ab120257, Philanthotoxin-7,4 (PhTx-74), GluA1/GluA2 (formerly GluR1/2) inhibitor

Chemical Structure - Philanthotoxin-7,4 (PhTx-74),  
GluA1/GluA2 (formerly GluR1/2) inhibitor (ab120257)

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

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