Product overview

Name: CP 465022 hydrochloride
Cat No: HB0214
Short description: Potent, non-competitive AMPA receptor antagonist

Biological description: Potent and non-competitive AMPA receptor antagonist ($IC_{50} = 25$ nM). Weakly inhibits NMDA, GABA and kainate receptors. Displays anticonvulsant actions.

This product is a mixture of the active isomer CP 465022 and the inactive isomer CP 465021. The mixture itself is also known as CP 392110.

Please note that there is confusion in the life science marketplace and scientific literature regarding the correct naming of this product and typically, where the product is cited as CP465022, it is generally the mixture of both isomers that is being referred to. If you need any further clarification, please contact customercare@hellobio.com

Alternative names: CP 392110
Biological action: Antagonist
Purity: >99%
Customer comments: Good price, fast delivery  Verified customer, University of Copenhagen

Properties

Chemical name: 3-(2-Chlorophenyl)-2-[2-[(diethylamino)methyl]-2-pyridinyl]ethenyl]-6-fluoro-4(3H) -quinazolinone hydrochloride
Molecular Weight: 499.41

Molecular Formula: C_{26}H_{24}ClFN_{4}O.HCl
CAS Number: 199655-36-2
PubChem identifier: 67241566
SMILES: CCN(CC)C1=CC=CC(=N1)C=CC2=NC3=C(C=C(C=C3)F)C(=O)N2C4=CC=CC=C4Cl.Cl
InChi: lnCh=1S/C26H24ClFN4O.CIH/c1-3-31(4-2)17-20-9-7-8-19(29-20)13-15-25-30-23-14-12-18(28)16-21(23)26(33)32(25)24-1
InChiKey: YKYDGCRJPYLYXHY-UHFFFAOYSA-N
Storing and Using Your Product

Storage instructions
Room temperature (desiccate)

Solubility overview
Soluble in water (10mM) and in DMSO (100mM)

Important
This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

References for CP 465022 hydrochloride

Characterization of the binding site for a novel class of noncompetitive alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor antagonists.

PubMedID: 11093768

CP-465,022, a selective noncompetitive AMPA receptor antagonist, blocks AMPA receptors but is not neuroprotective in vivo.

PubMedID: 12511770

Functional characterization of CP-465,022, a selective, noncompetitive AMPA receptor antagonist.

PubMedID: 11804610