Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

CP 465022 hydrochloride

Product overview

Name CP 465022 hydrochloride

Cat No HB0214
Alternative names CP 392110
Biological action Antagonist
Purity >99%

Customer comments Good price, fast delivery Verified customer, University of Copenhagen

Description Potent, non-competitive AMPA receptor antagonist

Images



Biological Data

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

Solubility & Handling

Solubility overview Storage instructions Storage of solutions Soluble in water (10mM) and in DMSO (100mM)

Room temperature (desiccate)

Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Stable for ambient temperature shipping. Follow storage instructions on receipt.

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

Shipping Conditions Important

Chemical Data

Chemical name 3-(2-Chlorophenyl)-2-[2-[6-[(diethylamino)methyl]-2-pyridinyl]ethenyl]-6-fluoro-4(3*H*) -quinazolinone

hydrochloride

Molecular Weight

Chemical structure

Molecular Formula $C_{26}H_{24}CIFN_4O.HCI$ CAS Number199655-36-2PubChem identifier67241566

SMILES CCN(CC)CC1=CC=CC(=N1)C=CC2=NC3=C(C=C(3)F)C(=0)N2C4=CC=CC=C4CI.Cl

InChl=1S/C26H24CIFN4O.CIH/c1-3-31(4-2)17-20-9-7-8-19(29-20)13-15-25-30-23-14-12-18(28)16-2

1(23)26(33)32(25)24-11-6-5-10-22(24)27; /h5-16H, 3-4, 17H2, 1-2H3; 1H2, 1-2H

InChiKey YKYDGCRJPYLXHY-UHFFFAOYSA-N

References

InChi

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

Menniti FS *et al* (2000) Mol Pharmacol 58(6) **PubMedID**11093768

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

Menniti FS et al (2003) Stroke 34(1)

PubMedID 12511770

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

Lazzaro JT *et al* (2002) Neuropharmacology 42(2) **PubMedID** 11804610