Datasheet

Product overview

Name: CFM-2  
Cat No: HB0179

Short description: Selective, non-competitive AMPA receptor antagonist

Biological description: Selective and non-competitive AMPA receptor antagonist. Inhibits ERK1/2 pathway and acts as an antiproliferative agent. Also shows anticonvulsant actions.

Biological action: Antagonist

Purity: >98%

Properties

Chemical name: 1-(4’-Aminophenyl)-3,5-dihydro-7,8-dimethoxy-4H-2,3-benzodiazepin-4-one

Molecular Weight: 311.34

Chemical structure:

Molecular Formula: C_{17}H_{17}N_{3}O_{3}

CAS Number: 178616-26-7

PubChem identifier: 4377504

SMILES: COC1=CC2=C(C=C1OC)=NNC(O)C2C1=CC=C(N)C=C1

InChiKey: MJKADKZSYQWGLL-UHFFFAOYSA-N

Storing and Using Your Product

Storage instructions: Room temperature

Solubility overview: Soluble 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 CFM-2
Effects of some AMPA receptor antagonists on the development of tolerance in epilepsy-prone rats and in pentylenetetrazole kindled rats.
PubMedID: 10193651

AMPA antagonists inhibit the extracellular signal regulated kinase pathway and suppress lung cancer growth.
PubMedID: 18059166

1-Aryl-3,5-dihydro-4H-2,3-benzodiazepin-4-ones: novel AMPA receptor antagonists.
PubMedID: 9111300