

BRI-50460

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	BRI-50460 is an inhibitor of cytosolic calcium-dependent phospholipase A2 (cPLA2) with the ability to cross the blood-brain barrier, exhibiting an IC50 of 0.88 nM. By inhibiting cPLA2, BRI-50460 modulates downstream inflammatory lipid signaling pathways, mitigating the effects of amyloid β 42 oligomers on cPLA2 activation, tau protein hyperphosphorylation, and synaptic and dendritic loss. This results in its activity in regulating neuroinflammation and restoring lipid homeostasis. BRI-50460 is applicable in research related to Alzheimer's disease and other neurodegenerative disorders.
Targets(IC50)	Phospholipase

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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