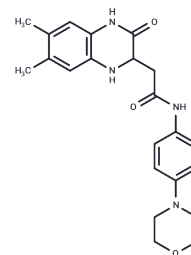


Z640

Chemical Properties

CAS No. : 353793-07-4
 Formula: C₂₂H₂₆N₄O₃
 Molecular Weight: 394.47
 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	Z640 an aPKC agonist. Z640 was further confirmed as a non-selective aPKC agonist that can activate the kinase activity of both PKC ι and PKC ζ . In the cell-based assay, Z640 was found to protect neuronal cell lines from amyloid- β (A β) oligomer-induced cell death by reducing reactive oxygen species production and restore mitochondrial function. In addition, Z640 could reduce A β 40 generation in a dose-dependent manner and shift amyloid precursor protein processing towards the non-amyloid pathway
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.535 mL	12.6752 mL	25.3505 mL
5 mM	0.507 mL	2.535 mL	5.0701 mL
10 mM	0.2535 mL	1.2675 mL	2.535 mL
50 mM	0.0507 mL	0.2535 mL	0.507 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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