

Product Name : SC-79

Synonyms : SC79

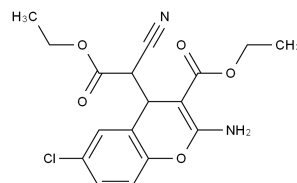
Cat No. : M13975

CAS Number : 305834-79-1

Molecular Formula : C₁₇H₁₇ClN₂O₅

Formula Weight : 364.78

Chemical Name : 4H-1-Benzopyran-4-acetic acid, 2-amino-6-chloro- α -cyano-3-(ethoxycarbonyl)-, ethyl ester



Description : A unique specific Akt activator; binds to the PH domain of Akt and inhibits Akt membrane translocation, but paradoxically activates Akt in the cytosol; induces the p-Akt (Ser473) expression and significantly increases the expression of Bcl-2 and p-GSK-3 β (Ser9), decreases the protein levels of Bax, cytoplasm cytochrome C, and cleaved caspase-3.; augments neuronal survival in mouse model for ischemic stroke.

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : Akt

Receptor : Akt

Solubility : 10 mM in DMSO

SMILES : NC1=C(C(=O)OCC)C(C(=O)OCC)C#NC2=CC(Cl)=CC=C2O1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Jo H, et al. Proc Natl Acad Sci U S A. 2012 Jun 26;109(26):10581-6. | 2. Zhang D, et al. ACS Chem Neurosci. 2016 Jun 15;7(6):710-8. | 3. Hao S, et al. Molecules. 2016 Mar 10;21(3):325.