

## Product Datasheet

### SC-79 (orb1225359)

<b>Catalog Number</b>	orb1225359
<b>Category</b>	Small Molecules
<b>Description</b>	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 $\beta$ (Ser9), decreases the protein levels of Bax, cytoplasm cytochrome C, and cleaved caspase-3.; augments neuronal survival in mouse model for ischemic stroke.
<b>Target</b>	Akt
<b>Purity</b>	>98% (HPLC)
<b>MW</b>	364.7803
<b>Target Areas</b>	Akt
<b>Solubility (25°C)</b>	10 mM in DMSO
<b>CAS Number</b>	305834-79-1
<b>Formula</b>	C <sub>17</sub> H <sub>17</sub> ClN <sub>2</sub> O <sub>5</sub>
<b>SMILES</b>	NC1=C(C(OCC)=O)C(C(C(OCC)=O)C#N)C2=CC(Cl)=CC=C2O1
<b>Chemical Name</b>	4H-1-Benzopyran-4-acetic acid, 2-amino-6-chloro- $\alpha$ -cyano-3-(ethoxycarbonyl)-, ethyl ester
<b>Storage</b>	Storage temperature: -20°C. Stability: $\geq$ 2 years
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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