

# Product Datasheet

## SC79 (orb1305828)

<b>Catalog Number</b>	orb1305828
<b>Category</b>	Small Molecules
<b>Description</b>	SC79 is a blood-brain barrier permeable small molecule that acts as a specific AKT agonist by binding to its PH domain. It activates cytoplasmic AKT while inhibiting its membrane translocation, demonstrating neuroprotective effects in both cellular and animal models of neurological injury.
<b>Target</b>	Akt
<b>Purity</b>	>99.99% (May vary between batches)
<b>MW</b>	364.78
<b>Target Areas</b>	Akt
<b>Solubility (25°C)</b>	DMSO:242.5 mg/mL (664.78 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:5.5 mg/mL (15.08 mM)
<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>	CCOC(=O)C(C#N)C1C(C(=O)OCC)=C(N)Oc2ccc(Cl)cc12
<b>Storage</b>	store at low temperature,keep away from moisture   Powder: -20°C for 3 years   Shipping with blue ice/Shipping at ambient temperature.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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