

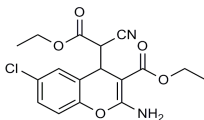
## Product: SC-79

**ALTERNATE NAME:** 2-Amino-6-chloro- $\alpha$ -cyano-3-(ethoxycarbonyl)-4*H*-1-benzopyran-4-acetic acid ethyl ester

**CATALOG #:** 2766-1,5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>17</sub>H<sub>17</sub>ClN<sub>2</sub>O<sub>5</sub>

**MOLECULAR WEIGHT:** 364.78

**CAS NUMBER:** 305834-79-1

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (~ 100 mg/ml) or EtOH (~ 40 mg/ml)

**PURITY:** ≥98% by TLC

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** SC-79 is an Akt activator. Binds to the pleckstrin homology (PH) domain of Akt preventing membrane translocation but paradoxically activating it in the cytosol. Enhances Akt phosphorylation by upstream protein kinases. Suppresses excitotoxicity-induced neuronal death *in vitro* and *in vivo*.

**REFERENCE:** Jo, H., *et al.* (2012). *Proc.Natl. Acad. Sci. USA* **109**, 10581-10586.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

A-769662 (Cat. No. 1719-5)

AICAR (1687-50, 250)

AMPK Activator, D-942 (Cat. No. 2341-1, 5)

Anisomycin (Cat. No. 1549-10)

Aurintricarboxylic acid (Cat. No. 1506-1000)

Bryostatin 1 (Cat. No. 2513-50, 250)

Cordycepin (Cat. No. 2078-10, 50)

8-Br-cAMP (Cat. No. 1837-5, 25)

8-Br-cGMP (Cat. No. 1838-5, 25)

Ingenol (Cat. No. 2527-1, 5)

Ingenol 3-angelate (Cat. No. 2593-1)

Metformin hydrochloride (Cat. No. 1691-5G)

MLR-1023 (Cat. No. 2685-5, 25)

Phenformin hydrochloride (Cat. No. 1889-100, 1000)

Phorbol-12-myristate-13-acetate (Cat. No. 1544-5)

**FOR RESEARCH USE ONLY! Not to be used on humans.**