

Catalog	Unit
TBI1468-5MG	5 mg
TBI1468-25MG	25 mg

Product Details

Formal Name: 2-Amino-6-chloro- α -cyano-3-(ethoxycarbonyl)-4H-1-benzopyran-4-acetic acid ethyl ester

Molecular Formula: C₁₇H₁₇ClN₂O₅

Formula Weight: 364.79

CAS Number: 305834-79-1

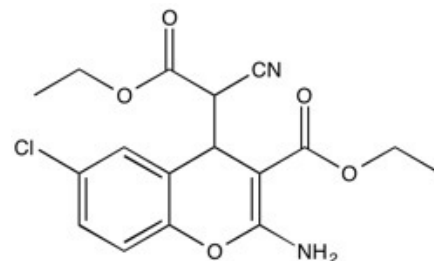
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 100 mg/ml) or in Ethanol (up to 40 mg/ml with warming).

Storage: -20°C

Stability: \geq 1 year.



Applications

Akt activator

Functions

Akt activator. Binds to the pleckstrin homology 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. A useful tool for studying the PI3K/Akt axis.

Application Procedures

First dissolved in DMSO (up to 100 mg/ml) or in Ethanol (up to 40 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 2 months.

For research use only.