

NAE-IN-1

Chemical Properties

CAS No. :

Formula: C₂₉H₃₀N₄O₂S

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	NAE-IN-1 (compound X-10) is a potent inhibitor of NAE1. It induces apoptosis and causes cell cycle arrest in the G2/M phase. Furthermore, NAE-IN-1 increases ROS levels and inhibits cell migration, demonstrating antiproliferative activity.
Targets(IC50)	Apoptosis, Reactive Oxygen Species, NEDD8
In vitro	NAE-IN-1 (compound X-10) reduces the expression of Cullin 1 and Cullin 3 in MGC-803 cells in a dose-dependent manner at 1, 3, and 5 μ M concentrations over 24 hours. Additionally, at concentrations of 0, 1, 2, and 4 μ M for 24 hours, NAE-IN-1 induces cell cycle arrest at the G2/M phase.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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