

Antitumor agent-201

Chemical Properties

CAS No. :

Formula:

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	Antitumor agent-201 (Compound 10) is a Golgi apparatus-targeting chloride ion transport activator with an EC50 for promoting transmembrane chloride ion transport of 1.53 mol% and an IC50 against HepG2 cells of 7.13 µM. By selectively acting on the Golgi apparatus, Antitumor agent-201 disrupts chloride ion homeostasis, decreases the expression of key proteins such as GM130 and GRASP55, and alters Golgi structure and function. This process induces Golgi apparatus autophagy, triggers apoptosis in cancer cells, and causes cell cycle arrest at the G2/M phase, thereby exhibiting anticancer activity. Antitumor agent-201 is applicable for research in the field of cancer-related diseases.
Targets(IC50)	Apoptosis,Autophagy,Chloride channel

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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