

Survivin-IN-2

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	Survivin-IN-2 is a survivin inhibitor exhibiting cytotoxic effects on C4-2 and PC-3 cells, with IC50 values of 0.53 μ M and 1.06 μ M, respectively. It effectively suppresses xenograft tumor growth without significant toxicity and reduces survivin protein levels in tumor tissues, making it useful for prostate cancer research.
Targets(IC50)	Survivin
In vitro	Survivin-IN-2 (Compound 7114) at a concentration of 1 μ M for 48 hours reduces survivin expression in C4-2 and PC-3 cells. Additionally, Survivin-IN-2 at concentrations ranging from 450 to 1000 nM exhibits decreased cytotoxic activity in C4-2 cells with survivin overexpression and in Docetaxel-resistant DU145 cells (DU145Doc).
In vivo	Survivin-IN-2 (Compound 7114) administered at 15 mg/kg via intraperitoneal injection twice weekly for four weeks effectively inhibits tumor growth in mice xenografted with PC-3 cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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