

$\alpha$ -Tubulin polymerization-IN-1

## 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	$\alpha$ -Tubulin polymerization-IN-1 (Compound 8l) functions as an inhibitor of $\alpha$ -tubulin polymerization. This compound modulates the NRF2/KEAP-1 signaling pathway and induces ROS production in PC-3 cells, leading to apoptosis. It inhibits the proliferation of PC-3 cells with a GI50 of 0.17 $\mu$ M, causing cell cycle arrest in the G2/M phase. Additionally, $\alpha$ -Tubulin polymerization-IN-1 demonstrates antitumor activity in mouse models.
Targets(IC50)	Apoptosis,Reactive Oxygen Species,Microtubule Associated,Nrf2,ROS

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