

BSO-07

## 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	BSO-07 is a ROS/JNK activator that exhibits potent anti-cancer properties, demonstrated by an IC50 of 24.81 $\mu$ M in human breast cancer (BC) cells. The mechanism of action for BSO-07 involves JNK activation and the promotion of increased ROS levels, which lead to the induction of apoptosis (Apoptosis) and tumorigenic apoptosis. This includes enhanced expression of apoptosis-related proteins such as PARP, Bax, phosphorylated p53, ATF4, and CHOP, along with a reduction in the levels of anti-apoptotic proteins (e. g., Bcl-2, Bcl-xL, and Survivin). BSO-07 holds promise for research in the field of breast cancer.
Targets(IC50)	Reactive Oxygen Species,JNK

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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