

p38 $\alpha$  inhibitor 6

## 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	p38 $\alpha$ inhibitor6 (compound 19) is a p38 $\alpha$ inhibitor with an IC50 value of 0.68 $\mu$ M. It induces apoptosis, arrests the cell cycle in the G0 and G2/M phases, reduces TNF- $\alpha$ concentration, upregulates the expression of the tumor suppressor gene p53, increases the Bax/BCL-2 ratio, and activates caspase3/7.
Targets(IC50)	Apoptosis,Bcl-2 Family,Caspase,p38 MAPK,MDM-2/p53
In vitro	p38 $\alpha$ inhibitor 6 (compound 19) inhibits the growth of UO-31 cells with an IC50 of 1.14 $\mu$ M. At a concentration of 1.14 $\mu$ M over 24 hours, p38 $\alpha$ inhibitor 6 increases the accumulation of UO-31 cells in the G0 and G2/M phases. Additionally, this compound induces apoptosis in UO-31 cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481