

PK11007

Catalog No: tcsc0035401



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg



Specifications

CAS No:

38275-34-2

Formula:

$C_6H_5ClN_2O_4S$

Pathway:

Apoptosis

Target:

MDM-2/p53

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 100 mg/mL (422.60 mM)

Observed Molecular Weight:

236.63

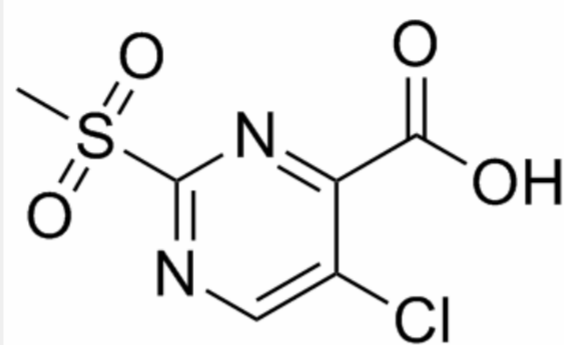
Product Description

PK11007 is a **p53** targeting compound, has anti-tumor activities through activation of unstable **p53**.

IC50 & Target: p53^[1]

In Vitro:

PK11007 (15-30 μM) reduces the viability of mutant p53 cell lines MKN1 (V143A), HUH-7 (Y220C), NUGC-3 (Y220C), and SW480 (R273H/P309S). PK11007 also shows inhibitory activities against the p53 wt cancer cell lines HUH-6 and NUGC-4, as well as the fibroblast cell line WI-38 only at high concentrations (60 and 120 μM). PK11007 increases levels of p53 target genes and activates the unfolded protein response pathway. PK11007 also increases p53 activity in HUH-6 and NUGC-4 cells. PK11007 induces cell death via caspase-independent pathways. PK11007 (30, 60 μM) induces reactive oxygen species (ROS) especially in mutant p53 cells^[1]. PK11007 inhibits the proliferation of a panel of 17 breast cell lines, with IC_{50} s ranging from 2.3 to 42.2 μM ^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!