



Onalespib

Catalog No: tcsc0969

Available Sizes
Size: 5mg
Size: 10mg
Size: 50mg
Size: 100mg
Specifications
CAS No: 912999-49-6
Formula: C ₂₄ H ₃₁ N ₃ O ₃
Pathway: Metabolic Enzyme/Protease;Cell Cycle/DNA Damage
Target: HSP;HSP
Purity / Grade: >98%
Solubility: DMSO : ≥ 33 mg/mL (80.58 mM)
Alternative Names: AT13387
Observed Molecular Weight: 409.52





Product Description

Onalespib (AT13387) is a potent inhibitor of $\mathbf{Hsp90}$, with a $\mathbf{K_d}$ of 0.71 nM.

IC50 & Target: Kd: 0.71 nM (Hsp90)^[1]

In Vitro: Onalespib (Compound 35) is a potent inhibitor of Hsp90, with K_d of 0.71 nM. Onalespib shows potent antiproliferative activity in HCT116 cells, with an IC_{50} of 31 nM. Onalespib also strongly inhibits the proliferation of a panel of human tumor cell lines, showing IC_{50} of [1]. Onalespib exhibits cytotoxic activity against many of the PPTP cell lines, with median IC_{50} of 41 nM^[2].

In Vivo: Onalespib (60 mg/kg, ip 3 days on and 3 days off for four cycles) shows antitumor activity in nude BALB/c mice bearing early stage HCT116 human colon carcinoma xenografts^[1]. Onalespib (40 or 60 mg/kg, i.p.) induces significant differences in EFS distribution compared to controls in 17% evaluable solid tumor xenografts, but in none of the ALL xenografts^[2].

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