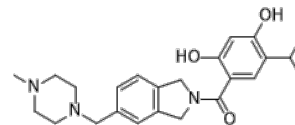


Product Name : Onalespib
Cat. No. : PC-25124
CAS No. : 912999-49-6
Molecular Formula : C₂₄H₃₁N₃O₃
Molecular Weight : 409.53
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

Onalespib (AT13387) is a highly potent HSP90 inhibitor with K_i of 0.71 nM by binding in the ATPase site at the N-terminus of Hsp90, inhibits HCT116 cell proliferation with IC₅₀ of 48 nM.

Onalespib (AT13387) potently inhibits the expression of the oncogenic client proteins Raf-1 and CDK4 at 30 nM in the HCT116 cell line.

Onalespib (AT13387) potently inhibits the proliferation of a panel of human tumor cell lines (well over 100 cell lines have been tested), showing IC₅₀ < 100 nM.

Onalespib (AT13387) (60 mg/kg ip 3 days on and 3 days off for four cycles) exhibits in vivo antitumor activity in nude BALB/c mice bearing early stage HCT116 human colon carcinoma xenografts.

References

Woodhead AJ, et al. J Med Chem. 2010 Aug 26;53(16):5956-69.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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