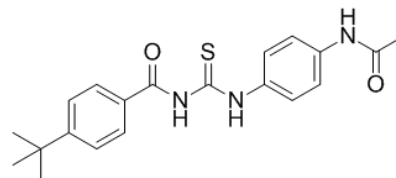


Product Name : Tenovin-1
Cat. No. : PC-43528
CAS No. : 380315-80-0
Molecular Formula : C₂₀H₂₃N₃O₂S
Molecular Weight : 369.4805
Target : Sirtuin
Solubility : 10 mM in DMSO



Biological Activity

Tenovin-1 (Tenovin1) is a small molecules that activate p53 and decreases tumor growth through inhibition of the protein-deacetylating activities of SirT1 and SirT2; causes significantly greater growth inhibition, cell death via apoptosis, as well as superior p53 promoter upregulation in wtp53 MyLa cells when combined with vorinostat; elicits caspase-mediated cell death in p53 wild-type cells, but caspase-independent cell death in p53 null cells.

References

- Lain S, et al. Cancer Cell. 2008 May;13(5):454-63.
Sonnemann J, et al. Br J Cancer. 2014 Feb 4;110(3):656-67.
Nihal M, et al. Cell Cycle. 2014;13(4):632-40. doi: 10.4161/cc.27523.
Marx C, et al. Invest New Drugs. 2018 Jun;36(3):396-406.

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

E-mail: tech@probechem.com