

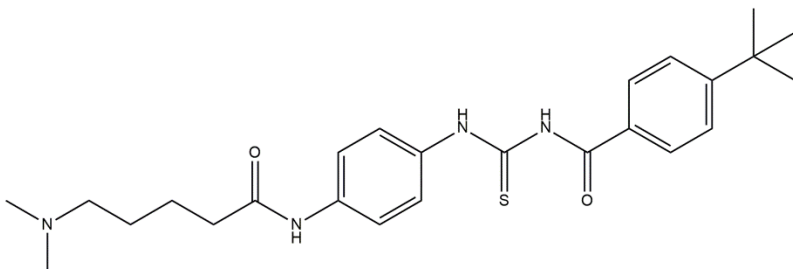
# Tenovin-6

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**ALTERNATE NAMES:** 4-tert-butyl-N-[[4-[5-(dimethylamino)pentanoylamino]phenyl]carbamothioyl]benzamide, 4-tert-butyl-N-(4-(5-(dimethylamino)pentanamido)phenylcarbamothioyl)benzamide, Benzamide, N-[[[4-[5-(dimethylamino)-1-oxopentyl]amino]phenyl]amino]thioxomethyl]-4-(1,1-dimethylethyl)-

**CATALOG #:** B2818-5 5 mg  
 B2818-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>25</sub>H<sub>34</sub>N<sub>4</sub>O<sub>2</sub>S

**MOLECULAR WEIGHT:** 454.63

**CAS NUMBER:** 1011557-82-6

**APPEARANCE:** Crystalline solid

**PURITY:** ≥95%

**SOLUBILITY:** ~20 mg/ml in DMSO  
 ~1mg/ml in Ethanol

**DESCRIPTION:** Tenovin-6 is a SirT2 inhibitor and a p53 activator. It is a water-soluble analog of Tenovin-1. Tenovins inhibit the protein-deacetylase activities of SirT1 and SirT2. The IC<sub>50</sub> for inhibiting human SirT1 and SirT2 peptide deacetylase activity is 21 μM and 10 μM respectively. Tenovin-6 potently inhibits the proliferation of diffuse large B-cell lymphoma (DLBCL) and acute lymphoblastic leukemia cells.

**STORAGE TEMPERATURE:** -20°C

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Tenovin-1 (Cat. No. 9400)  
 Tenovin-3 (Cat. No. B1828)  
 JGB1741 (Cat. No. B2804)  
 SIRT2 Inhibitor, AGK2 (Cat. No. 1651)  
 Salemidate (Cat. No. 1873)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*