

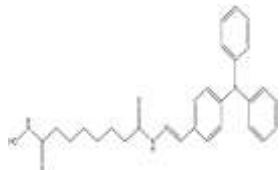
## PRODUCT: WT-161

**ALTERNATE NAME:** (E)-8-(2-(4-(Diphenylamino)benzylidene)hydrazinyl)-N-hydroxy-8-oxooctanamide

**CATALOG #:** B2219-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>27</sub>H<sub>30</sub>N<sub>4</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 458.56

**CAS NUMBER:** 1206731-57-8

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C. Protect from light and light

**DESCRIPTION:** WT-161 is a potent, selective, and bioavailable HDAC6 (histone deacetylase-6) inhibitor (IC<sub>50</sub> = 0.40 nM). It is selective for HDAC6 over HDAC3 (IC<sub>50</sub> = 51.61 nM) and induces α-tubulin acetylation, an HDAC6-dependent process, with minimal effect on global lysine acetylation. WT161 inhibits growth of patient-derived multiple myeloma cell lines with IC<sub>50</sub> values ranging from 1.5 to 4.7 μM. WT161 enhances the cytotoxicity of bortezomib (Cat. No. 1846) and carfilzomib (Cat. No. 2385) against patient-derived multiple myeloma cells.

**REFERENCES:** Hideshima, T., *et al.* (2016). *Proc. Natl. Acad. Sci. USA* **113**, 13162-13167.

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

**RELATED PRODUCTS:**

4SC-202 (Cat. No. B1230-5,25)  
Abexinostat (Cat. No. B2202-5,25)  
ACY-1215 (Cat. No. 2629-5, 25)  
AR-42 (Cat. No. 2716-1,5)  
CBHA (Cat. No. 2284-5, 10)  
CAY10683 (Cat. No. B1051-5,25)  
Chidamide (Cat. No. 2261-1, 5)  
CI-994 (Cat. No. 1742-10, 50)  
CUDC-101 (Cat. No. 1966-5, 25)  
Depudecin (Cat. No. 2087-100)  
DiscoveryPak™ HDAC Inhibitor Set (Cat. No. K851-6)  
DiscoveryPak™ HDAC Inhibitor Set II (Cat. No. K876-7)  
Droxinostat (Cat. No. 9570-5,25)  
HC Toxin (Cat. No. 2728-500, 1000)  
ITF2357 (Cat. No. 9431-1,5)  
JNJ-26481585 (Cat. No. 9612-5, 25)  
FK228 (Cat. No. 2447-1, 5)  
LAQ824 (Cat. No. 2634-1,5)  
M344 (Cat. No. 1701-1)  
MDK-7933 (Cat. No. B2119-5,25)  
MGCD0103 (Cat. No. 2633-10, 50)  
MS-275 (Entinostat, MS-275) (Cat. No. 1590-1,5)  
Nexturastat A (Cat. No. 2098-1)  
Nullscript (Cat. No. 2186-1)  
Oxamflatin (Cat. No. 2250-1, 5)  
Panobinostat (LBH589) (Cat. No. 1612-1,5)  
PCI 34051 (Cat. No. 2251-5, 25)  
PXD101 (Cat. No. 2480-5, 25)  
SAHA (Cat. No. 1604-1)  
SB 939 (Cat. No. 2285-1, 5)  
SBHA (Cat. No. 2202-50, 250)  
Sodium 4-phenylbutyrate (Cat. No. 1608-100,1000)  
Sodium Butyrate (Cat. No. 1609-1000)  
Splitomycin (Cat. No. 1610-5)  
Trichostatin A (Cat. No. 1606-1)  
Tubacin (Cat. No. 1984-250, 1000)  
Tubastatin A (Cat. No. 1724-1, 5)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**