

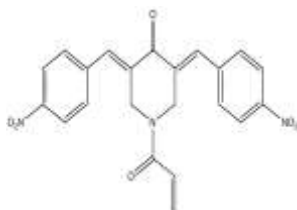
**PRODUCT: NSC-687852**

**ALTERNATE NAME:** 3,5-bis[(4-nitrophenyl)methylidene]-1-prop-2-enoylpiperidin-4-one; (3E,5E)-3,5-bis[(4-nitrophenyl)methylene]-1-prop-2-enoyl-piperidin-4-one; b-AP15

**CATALOG #:** 2021-5, 25

**AMOUNT:**

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>22</sub>H<sub>17</sub>N<sub>3</sub>O<sub>6</sub>

**MOLECULAR WEIGHT:** 419.39

**CAS NUMBER:** 1009817-63-3

**APPEARANCE:** Pale yellow solid

**SOLUBILITY:** DMSO (35 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** Cell-permeable. Abrogates the deubiquitinating activity of the 19S regulatory particle by inhibiting ubiquitin C-terminal hydrolase 5 (UCHL5) and ubiquitin-specific peptidase 14 (USP14) resulting in accumulation of polyubiquitin in cells. NSC-687852 induces tumor cell apoptosis and tumor progression in four different solid tumor models *in vivo*.

**REFERENCE:** D'Arcy, P., *et al.* (2011). *Nature Medicine* 17, 1636-1640.

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

**RELATED PRODUCTS:**

Aclacinomycin A (Cat. No. 2032-5, 25)  
 Calpain Inhibitor I, ALLN (Cat. No. 1834-5, 25)  
 Calpain Inhibitor II, ALLM (Cat. No. 1834-5, 25)  
 Clasto-Lactacystin β-Lactone (Cat. No. 1710-100)  
 E6AP Antibody (Cat. No. 3744-100)  
 (-)-Epigallocatechin gallate (Cat. No. 1841-50)  
 Isopeptidase T (short form), human recombinant (Cat. No. 4861-25)  
 Isopeptidase T (long form), human recombinant (Cat. No. 4862-25)  
 Lactacystin (Cat. No. 1709-200)  
 MG-115 (Cat. No. 1831-1, 5)  
 MG-132 (Cat. No. 1703-5, 25)  
 PS-341 (Cat. No. 1846-1,5)  
 EZSolution™ MG-132 (Cat. No. 1791-5)  
 LDN-57444 (Cat. No. 2016-5, 25)  
 MDBN (Cat. No. 2033-5, 25)  
 NEDD8-AMC (Cat. No. 4843-25)  
 Proteasome Activity Assay Kit (Cat. No. K245-100)  
 Proteasome Substrate, Fluorogenic (Cat. No. 1832-1, 5)  
 PYR-41 (Cat. No. 1925-5, 25)  
 Suc-Leu-Leu-Val-Tyr-AMC (Cat. No. 1833-5)  
 (±)- Thalidomide (Cat. No. 2020-10, 50)  
 UbchH1, human recombinant (GST-tag) (Cat. No. 4846-100)  
 UbchH2, human recombinant (His-tag) (Cat. No. 4848-100)  
 UbchH3, human recombinant (His-tag) (Cat. No. 4849-100)  
 UbchH5a, human recombinant (His-tag) (Cat. No. 4851-100)  
 UbchH5b, human recombinant (His-tag) (Cat. No. 4852-100)  
 UbchH5c, human recombinant (His-tag) (Cat. No. 4854-100)  
 Ubiquitin Aldehyde (Cat. No. 4845-50)  
 Ubiquitin, human recombinant (Cat. No. 4841-100,1000)  
 Ubiquitin AMC (Cat. No. 4842-25)  
 UCH-L1, human recombinant (GST-tag) (Cat. No. 4855-50)  
 USP7 Antibody (Cat. No. 3737-100)  
 USP-14 Inhibitor IU1 (Cat. No. 1845-5, 25)  
 WP-1130 (Cat. No. 2014-5, 25)

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