

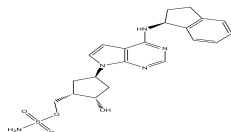
**PRODUCT: MLN-4924**

**ALTERNATE NAME:** ((1S,2S,4R)-4-(4-(((S)-2,3-dihydro-1H-inden-1-yl)amino)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)-2-hydroxycyclopentylmethyl sulfamate

**CATALOG #:** 2566-500, 1000

**AMOUNT:** 500 µg, 1 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>25</sub>N<sub>5</sub>O<sub>4</sub>S

**MOLECULAR WEIGHT:** 443.53

**CAS No.** 905579-51-3

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (~10 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** A potent and selective inhibitor of NEDD8 (Neural precursor cell expressed, developmentally down-regulated 8)-activating enzyme (NAE) (IC<sub>50</sub> = 4.7 nM) with potential anticancer activity. NAE activates NEDD8, an ubiquitin-like (UBL) protein that modifies cellular targets in a pathway that is parallel to but distinct from the ubiquitin-proteasome pathway (UPP). Suppresses the growth of tumor xenografts in mice.

**REFERENCES:** Nawrocki, S.T., *et al.* (2012). *Expert Opin. Invest. Drugs* **21**, 1563-1573.

**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)  
 Carfilzomib (Cat. No. 2385-5, 25)  
 CEP-18770 (Cat. No. 2433-5, 25)  
 E6AP Antibody (Cat. No. 3744-100)  
 (-)-Epigallocatechin gallate (Cat. No. 1841-50)  
 Fenbendazole (Cat. No. 2157-100, 500)  
 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)  
 EZSolution™ MG-115 (Cat. No. 2144-1)  
 MG-132 (Cat. No. 1703-5, 25)  
 ONX-0914 (Cat. No. 2555-5, 25)  
 Oprozomib (Cat. No. 2386-5, 25)  
 PS-341 (Cat. No. 1846-1,5)  
 EZSolution™ MG-132 (Cat. No. 1791-5)  
 Proteasome Activity Assay Kit (Cat. No. K245-100)  
 Proteasome Substrate, Fluorogenic (Cat. No. 1832-1, 5)  
 PYR-41 (Cat. No. 1925-5, 25)  
 PS-341 (Cat. No. 1846-1, 5)  
 EZSolution™ PS-341 (Cat. No. 2145-1)  
 Suc-Leu-Leu-Val-Tyr-AMC (Cat. No. 1833-5)

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