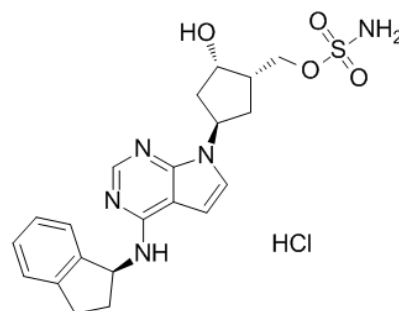


**Product Name** : MLN4924 hydrochloride  
**Cat. No.** : PC-42613  
**CAS No.** : 1160295-21-5  
**Molecular Formula** : C<sub>21</sub>H<sub>26</sub>ClN<sub>5</sub>O<sub>4</sub>S  
**Molecular Weight** : 479.9803  
**Target** : NEDD8  
**Solubility** : DMSO: ≥ 160 mg/mL



## Biological Activity

MLN4924 (Pevonedistat) hydrochloride is an analog of adenosine 5'-monophosphate that potently and selectively inhibits **NEDD8-activating enzyme (NAE)** with IC<sub>50</sub> of 4.7 nM.

MLN4924 also inhibits the related enzymes ubiquitin-activating enzyme (UAE) and SUMO-activating enzyme (SAE) with IC<sub>50</sub> of 1.5 and 8.2 μM, respectively.

MLN4924 disrupts CRL-mediated protein turnover leading to apoptosis in HCT116 cells.

MLN4924 suppresses the growth of human tumor xenografts in mice (30-60 mg/kg).

## References

Soucy TA, et al. **Nature**. 2009 Apr 9;458(7239):732-6.

Milhollen MA, et al. **Blood**. 2010 Sep 2;116(9):1515-23.

Brownell JE, et al. **Mol Cell**. 2010 Jan 15;37(1):102-11.

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

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