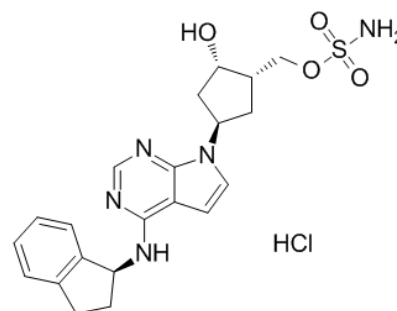


Product Name : MLN-4924 hydrochloride
Cat. No. : PC-42613
CAS No. : 1160295-21-5
Molecular Formula : C₂₁H₂₆ClN₅O₄S
Molecular Weight : 479.9803
Target : NEDD8
Solubility : DMSO: ≥ 160 mg/mL



Biological Activity

MLN-4924 (Pevonedistat) hydrochloride is an analog of adenosine 5'-monophosphate that potently and selectively inhibits **NEDD8-activating enzyme (NAE)** with IC₅₀ of 4.7 nM.

MLN-4924 also inhibits the related enzymes ubiquitin-activating enzyme (UAE) and SUMO-activating enzyme (SAE) with IC₅₀ of 1.5 and 8.2 μM, respectively.

MLN-4924 disrupts CRL-mediated protein turnover leading to apoptosis in HCT116 cells.

MLN-4924 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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