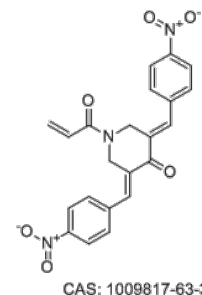


**Product Name** : b-AP15  
**Cat. No.** : PC-20656  
**CAS No.** : 1009817-63-3  
**Molecular Formula** : C<sub>22</sub>H<sub>17</sub>N<sub>3</sub>O<sub>6</sub>  
**Molecular Weight** : 419.39  
**Target** : Deubiquitinase (DUB)  
**Solubility** : 10 mM in DMSO



### Biological Activity

b-AP15 is a specific inhibitor of ubiquitin-specific-processing protease 14 (**USP14**) and ubiquitin carboxyl-terminal hydrolase isozyme L5 (UCHL5), inhibits DUB activity in purified 19S proteasomes with IC<sub>50</sub> of 2.1 μM.

b-AP15 exhibits little or no activity against several other DUBs.

b-AP15 induces tumor cell apoptosis that is insensitive to TP53 status and overexpression of the apoptosis inhibitor BCL2, blocks growth and induces apoptosis in MM cells.

b-AP15 blocks tumor progression in vivo in mice and prevents organ infiltration in mouse models of myeloid leukemia.

### References

D'Arcy P, et al. **Nat Med**. 2011 Nov 6;17(12):1636-40.

Wang X, et al. **Mol Pharmacol**. 2014 Jun;85(6):932-45.

Tian Z, et al. **Blood**. 2014 Jan 30;123(5):706-16.

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

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