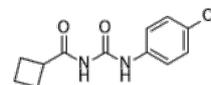


**Product Name** : BPU17  
**Cat. No.** : PC-26024  
**CAS No.** : 2198977-68-1  
**Molecular Formula** : C<sub>12</sub>H<sub>13</sub>ClN<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 252.70  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



CAS: 2198977-68-1

## Biological Activity

BPU17 is a specific small molecule inhibitor of prohibitin, binds to prohibitin 1 (PHB1) and inhibits the PHB1-PHB2 interaction, inhibits epithelial-mesenchymal transition (EMT) of retinal pigment epithelial cells (RPEs) and exhibits antifibrotic activity in vivo.

BPU17 specifically binds to PHB1, but not PHB2, inhibits PHB1-PHB2 heterodimer.

BPU17 inhibits phenotypic transition of TGF-β2-stimulated RPEs.

BPU17 suppresses inflammatory stress-induced subretinal fibrosis in mouse model of retinal degeneration.

## References

Hayashi K, et al. Exp Cell Res. 2024 Sep 1;442(1):114221.

Hayashi K, et al. Biochem Biophys Res Commun. 2026 Jan 31;805:153386.

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

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