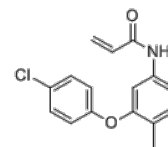


**Product Name** : K-975  
**Cat. No.** : PC-72171  
**CAS No.** : 2563855-03-6  
**Molecular Formula** : C<sub>16</sub>H<sub>14</sub>ClNO<sub>2</sub>  
**Molecular Weight** : 287.743  
**Target** : YAP-TEAD  
**Solubility** : 10 mM in DMSO



## Biological Activity

K-975 (K975, YAP1-TEAD inhibitor K975) is a potent, specific inhibitor of **YAP1/TAZ-TEAD** signaling, inhibits YAP1/TAZ-TEAD protein-protein interaction, a **pan-TEAD** inhibitor binds to Cys359 of TEAD1-YBD.

K-975 showed an inhibitory activity towards TEAD1-YAP1 PPI and TEAD4-YAP1 PPI in cells using a Halo-tag pull-down assay. Furthermore, K-975 inhibited the palmitoylation of TEAD1-YBD.

K-975 inhibits yes-associated protein 1 (YAP1)-transcriptional enhanced associate domain (TEAD) signaling by the same mechanism as YAP1 siRNA and TEADs siRNA.

K-975 decreased the expressions of CTGF, IGFBP3, and NPPB mRNAs, and increased the expression of FBXO32 mRNA with 24-h treatment in NCI-H226 cells.

K-975 exerts a stronger inhibitory activity towards neurofibromin 2 (NF2)-non-expressing mesothelioma cell lines.

K-975 exerts an anti-tumor effect and significant survival benefit in human mesothelioma xenograft mice.

K-975 exhibits a synergistic effect with a CDK4/6 inhibitor palbociclib in s.c. transplant mouse models of human mesothelioma.

## References

Kaneda A, et al. *Am J Cancer Res.* 2020 Dec 1;10(12):4399-4415.

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

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