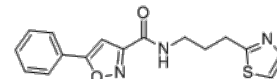


**Product Name** : YAP activator PY-60  
**Cat. No.** : PC-38304  
**CAS No.** : 2765218-56-0  
**Molecular Formula** : C<sub>16</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>S  
**Molecular Weight** : 313.375  
**Target** : Yes-associated Protein (YAP)  
**Solubility** : 10 mM in DMSO



## Biological Activity

YAP activator PY-60 (PY-60) is a novel small molecule **activator of YAP** transcriptional activity (EC<sub>50</sub>=1.5 μM) via targeting annexin A2 (ANXA2).

PY-60 dose-dependently induced luciferase activity in 293A-TEAD-LUC cells, robustly activated YAP transcriptional activity in vitro.

PY-60 treatment robustly increased the levels of YAP-controlled transcripts (ANRKD1, CYR61 and CTGF) in 293A cells and other human cell lines (MCF10A, HEK293T, H69 and HaCaT), but did not augment the levels of YAP itself (YAP1).

PY-60 promotes YAP-dependent expansion of epidermal keratinocytes in mouse following topical drug administration. Annexin A2 (ANXA2) is a protein that directly associates with YAP at the cell membrane in response to increased cell density.

PY-60 treatment liberates ANXA2 from the membrane, ultimately promoting a phosphatase-bound, nonphosphorylated and transcriptionally active form of YAP.

## References

Shalhout SZ, et al. Nat Chem Biol. 2021 Jul;17(7):767-775.

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

E-mail: tech@probechem.com