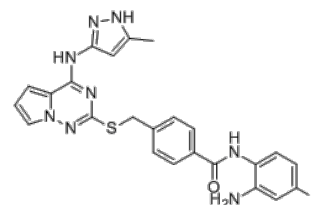


**Product Name** : CYD19  
**Cat. No.** : PC-38205  
**CAS No.** : 2415281-52-4  
**Molecular Formula** : C<sub>24</sub>H<sub>21</sub>FN<sub>8</sub>OS  
**Molecular Weight** : 488.545  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Snail inhibitor CYD19 (CYD19) is a small-molecule compound that binds to the zinc finger transcription factor **Snail** (K<sub>d</sub>=0.18 μM), and disrupts Snail interaction with CBP/p300.

Snail inhibitor CYD19 impairs CBP/p300-mediated Snail acetylation and then promotes its degradation through the ubiquitin-proteasome pathway in aggressive cancer cells.

CYD19 restores Snail-dependent repression of wild-type p53, thus reducing tumor growth and survival in vitro and in vivo.

## References

Hong-Mei Li, et al. *Sci Adv.* 2020 Apr 22;6(17):eaaw8500.

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

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