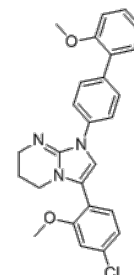


**Product Name** : IGUANA-1  
**Cat. No.** : PC-49053  
**CAS No.** : 2756014-24-9  
**Molecular Formula** : C<sub>26</sub>H<sub>24</sub>ClN<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 445.947  
**Target** : Aldehyde Dehydrogenase (ALDH)  
**Solubility** : 10 mM in DMSO



## Biological Activity

IGUANA-1 is a potent, isoform-selective inhibitor of aldehyde dehydrogenase **ALDH1B1** with IC<sub>50</sub> of 30 nM. IGUANA-1 inhibits cell growth of SW480 cells in adherent and spheroid conditions with IC<sub>50</sub> values of 2.46 and 0.39 μM, respectively. IGUANA-1 exhibits proteome-wide target specificity, and selectively blocks the growth of colon cancer spheroids and organoids.

## References

Feng Z, et al. *Nat Chem Biol*. 2022 Jul 4. doi: 10.1038/s41589-022-01048-w.

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

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