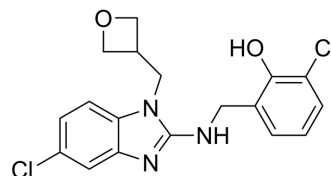


## ALDH1A1-IN-5

Cat. No.:	HY-158026
Molecular Formula:	C <sub>18</sub> H <sub>17</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	378.25
Target:	Aldehyde Dehydrogenase (ALDH)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	ALDH1A1-IN-5 (compound 25) is a potent aldehyde dehydrogenase 1A1 (ALDH1A1) inhibitor with EC <sub>50</sub> value of 83, 45, 43 μM for ALDH1A1, ALDH1A2, ALDH1A3, respectively. ALDH1A1-IN-5 has the potential for the research of high-grade serous ovarian cancer (HGSOC) <sup>[1]</sup> .		
IC <sub>50</sub> & Target	ALDH1A1 83 μM (EC50)	ALDH1A2 45 μM (EC50)	ALDH1A3 43 μM (EC50)

### REFERENCES

[1]. Takahashi C, et al. Development of substituted benzimidazoles as inhibitors of human aldehyde dehydrogenase 1A isoenzymes. Chem Biol Interact. 2024 Mar 1;391:110910.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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