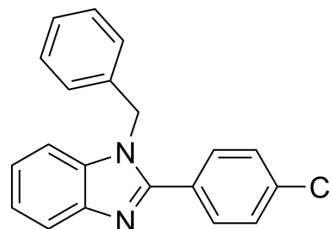


## ALDH1A1-IN-4

Cat. No.:	HY-157872
CAS No.:	23982-86-7
Molecular Formula:	C <sub>20</sub> H <sub>15</sub> ClN <sub>2</sub>
Molecular Weight:	318.8
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-4 (compound A1) is a potent inhibitor of aldehyde dehydrogenase (ALDH) A1, with IC <sub>50</sub> value of 0.32 μM. ALDH1A1-IN-4 plays an important role in cancer research <sup>[1]</sup> .
IC <sub>50</sub> & Target	ALDH1A1 0.32 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Gera Narendra, et al. Scaffold hopping based designing of selective ALDH1A1 inhibitors to overcome cyclophosphamide resistance: synthesis and biological evaluation. RSC Med Chem. 2023 Nov 30;15(1):309-321.

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

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