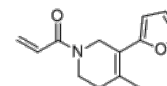


Product Name : ALDH3A1 inhibitor EN40
Cat. No. : PC-35380
CAS No. : 2094547-67-6
Molecular Formula : C₁₃H₁₅NO₂
Molecular Weight : 217.268
Target : Aldehyde Dehydrogenase (ALDH)
Solubility : 10 mM in DMSO



Biological Activity

ALDH3A1 inhibitor EN40 is a potent and selective, covalent, in vivo-active inhibitor of **ALDH3A1** with IC₅₀ of 2 uM, demonstrates no activity against ALDH1A3 and ALDH6A1 at 30 uM.

ALDH3A1 inhibitor EN40 also does not show any observable competition against lysine-reactive probe labeling of A549 proteomes.

ALDH3A1 inhibitor EN40 specifically inhibits the lung cancer cell lines expressing ALDH3A1, but not in the cell lines that do not express ALDH3A1.

ALDH3A1 inhibitor EN40 inhibits ALDH3A1 activity and impairs lung cancer pathogenicity in vivo.

References

Counihan JL, et al. *ACS Chem Biol*. 2018 Jul 13. doi: 10.1021/acscchembio.8b00381.

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

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