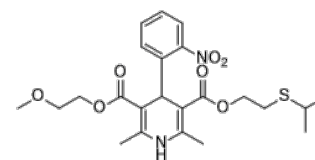


Product Name : YG1702
Cat. No. : PC-26957
CAS No. : 724737-08-0
Molecular Formula : C₂₃H₃₀N₂O₇S
Molecular Weight : 478.56
Target : Aldehyde Dehydrogenase (ALDH)
Solubility : 10 mM in DMSO



CAS: 724737-08-0

Biological Activity

YG1702 is a potent, specific aldehyde dehydrogenase family 18 member A1 (ALDH18A1) inhibitor with association constant (K_a) of 0.589 μM in ITC assays.

YG1702 inhibits N-MYC expression and attenuates the growth of human neuroblastoma (NB) cells, induces MYCN down-regulation at the mRNA and protein levels.

YG1702 (45 mg/kg per day, i.p.) inhibited tumor growth in subcutaneous xenograft mouse models [SK-N-BE(2) and IMR32].

YG1702 triggers ferroptosis and impairs both spontaneous and chemically induced hepatocarcinogenesis.

References

Guo YF, et al. *Sci Transl Med*. 2020 Feb 19;12(531):eaax8694.

Li M, et al. *Nature*. 2026 Jun 3. doi: 10.1038/s41586-026-10597-2.

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

E-mail: tech@probechem.com