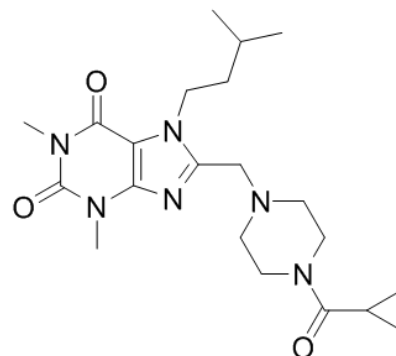


Product Name : NCT-501
Cat. No. : PC-45551
CAS No. : 1802088-50-1
Molecular Formula : C₂₁H₃₂N₆O₃
Molecular Weight : 416.5172
Target : Aldehyde Dehydrogenase (ALDH)
Solubility : DMSO: ≥ 28 mg/mL



Biological Activity

NCT-501 (NCT501) is a potent and highly selective inhibitor of **ALDH1A1** with IC₅₀ of 40 nM for hALDH1A1. NCT-501 exhibits high selectivity against ALDH1A1 over ALDH3A1, ALDH1B1, ALDH2 isozymes and other dehydrogenases such as HPGD and HSD17β4. NCT-501 has excellent pharmacokinetics and in vitro ADME profiles.

References

Yang SM, et al. *J Med Chem.* 2015 Aug 13;58(15):5967-78.
Kulsum S, et al. *Mol Carcinog.* 2017 Feb;56(2):694-711.

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

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