

NCT 501 hydrochloride

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	NCT 501 hydrochloride is a potent and selective ALDH1A1 inhibitor (IC50 = 40 nM). Exhibits >1000-fold selectivity for ALDH1A1 over ALDH3A1, ALDH1B1, ALDH2, HPGD and HSD17β4. Also selective over a panel of 168 GPCRs. Blood-brain barrier permeable.
Targets(IC50)	Others

Reference

Yang et al (2015) Discovery of NCT-501, a potent and selective theophylline-based inhibitor of aldehyde dehydrogenase 1A1 (ALDH1A1). J.Med.Chem. 58 5967 PMID: 26207746

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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