
CVT-10216

产品编号: D51296

CAS: 1005334-57-5

分子式: C₂₄H₁₉NO₇S

纯度: ≥98%

InChi: InChi=1S/C₂₄H₁₉NO₇S/c1-33(29,30)25-18-7-5-16(6-8-18)21-14-32-22-12-19(9-10-20(22)23(21)26)31-13-15-3-2-4-17(11-15)24(27)28/h2-12,14,25H,13H₂,1H₃,1H,27,28

InChi Key: YYOOFJZTRCPVFD-UHFFFAOYSA-N

Smiles: CS(=O)(=O)NC1C=CC(=CC=1)C1=COC2=CC(=CC=C2C1=O)OCC1C=C(C=CC=1)C(O)=O

外观: 固体粉末

作用通路: Aldehyde Dehydrogenase (ALDH)

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: CVT-10216 is a Potent and selective, reversible inhibitor of aldehyde dehydrogenase 2 (ALDH2) (IC₅₀ values are 29 and 1300 nM for ALDH2 and ALDH1, respectively). CVT-10216 increases acetaldehyde after alcohol gavage and inhibits 2-bottle choice alcohol intake in heavy drinking rodents, including deprivation-induced drinking. Moreover, CVT-10216 also prevents operant self-administration and eliminates cue-induced reinstatement of alcohol seeking even when alcohol is not available (i.e., no acetaldehyde). Alcohol stimulates DA release in the NAc, which is thought to contribute to increased drinking and relapse in alcoholism. CVT-10216 prevents alcohol-induced increases in NAc DA without changing basal levels.