

Product Name	: CVT-10216
Synonyms	: CVT 10216;GS455534;GS-455534
Cat No.	: M10046
CAS Number	: 1005334-57-5
Molecular Formula	: C ₂₄ H ₁₉ N ₀ S ₁
Formula Weight	: 465.50
Chemical Name	: 3-[[[3-[4-[(Methylsulfonyl)amino]phenyl]-4-oxo-4H-1-benzopyran-7-yl]oxy]methyl]benzoic acid
Description	: A potent, highly selective, reversible inhibitor of ALDH2 with IC ₅₀ of 29 nM, shows no significant inhibition for ALDH1 (IC ₅₀ =1,300 nM); demonstrates therapeutic potential to reduce excessive drinking and to suppress relapse in abstinent alcoholics; also shows both anxiolytic and antidiuretic properties in rats; selectively suppresses binge eating of palatable food and attenuates dopamine release in the accumbens of sugar-bingeing rats. Alcoholism Discontinued
Pathway	: Metabolic Enzyme/Protease
Target	: ALDH
Receptor	: ALDH
Solubility	: —
SMILES	: <chem>O=C(O)C1=CC=CC(COC2=CC=C3C(C4=CC=C(C(=O)NS(=O)C)C=O)C=C4)C(=O)C3=C2)=O=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Arolfo MP, et al. Alcohol Clin Exp Res. 2009 Nov;33(11):1935-44. | 2. Overstreet DH, et al. Pharmacol Biochem Behav. 2009 Dec;94(2):255-61. | 3. Bocarsly ME, et al. Behav Pharmacol. 2014 Apr;25(2):147-57.

