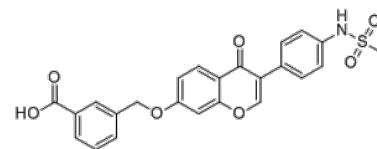


**Product Name** : CVT-10216  
**Cat. No.** : PC-61349  
**CAS No.** : 1005334-57-5  
**Molecular Formula** : C<sub>24</sub>H<sub>19</sub>NO<sub>7</sub>S  
**Molecular Weight** : 465.5  
**Target** : Aldehyde Dehydrogenase (ALDH)  
**Solubility** : 10 mM in DMSO



## Biological Activity

CVT-10216 (CVT10216) is a potent, highly selective, reversible inhibitor of **ALDH2** with IC<sub>50</sub> of 29 nM, shows no significant inhibition for ALDH1 (IC<sub>50</sub>=1,300 nM).

CVT-10216 demonstrates therapeutic potential to reduce excessive drinking and to suppress relapse in abstinent alcoholics. CVT-10216 also shows both anxiolytic and antidipsotropic properties in rats.

CVT-10216 selectively suppresses binge eating of palatable food and attenuates dopamine release in the accumbens of sugar-bingeing rats.

## References

Arolfo MP, et al. *Alcohol Clin Exp Res*. 2009 Nov;33(11):1935-44.

Overstreet DH, et al. *Pharmacol Biochem Behav*. 2009 Dec;94(2):255-61.

Bocarsly ME, et al. *Behav Pharmacol*. 2014 Apr;25(2):147-57.

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

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