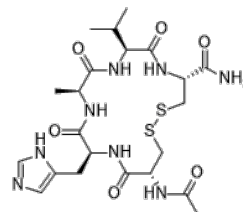


**Product Name** : ADH-1  
**Cat. No.** : PC-23769  
**CAS No.** : 229971-81-7  
**Molecular Formula** : C<sub>22</sub>H<sub>34</sub>N<sub>8</sub>O<sub>6</sub>S<sub>2</sub>  
**Molecular Weight** : 570.68  
**Target** : Cadherin  
**Solubility** : 10 mM in DMSO



## Biological Activity

ADH-1 (Exherin, ADH1, N-Ac-CHAVC-NH<sub>2</sub>) is a cyclic pentapeptide N-cadherin antagonist, disrupts N-cadherin adhesion complexes and inhibits N-cadherin mediated cell adhesion.

ADH-1 inhibit the neurite outgrowth response stimulated by N-cadherin.

ADH-1 prevents collagen I-induced cell scattering and cell migration in pancreatic cancer cells.

ADH-1 induces apoptosis in a dose-dependent and N-cadherin-dependent manner.

ADH-1 50 mg/kg (i.p. 1× per day, 5× per week for 4 weeks) prevents tumor growth in a mouse model for pancreatic cancer.

## References

Williams E, et al. J Biol Chem. 2000 Feb 11;275(6):4007-12.

Pereira NL, et al. Sci Adv. 2024 Nov 29;10(48):eadp8872.

Ando K, et al. J Biol Chem. 2011 Mar 4;286(9):7619-28.

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

E-mail: tech@probechem.com