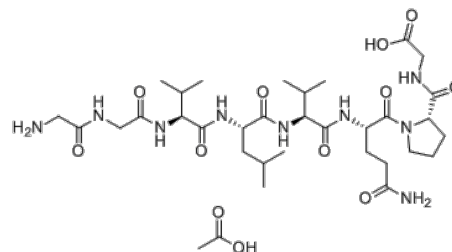


**Product Name** : Larazotide acetate  
**Cat. No.** : PC-49429  
**CAS No.** : 881851-50-9  
**Molecular Formula** : C<sub>34</sub>H<sub>59</sub>N<sub>9</sub>O<sub>12</sub>  
**Molecular Weight** : 785.89  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Larazotide acetate (AT1001) is a synthetic, competitive octapeptide inhibitor of zonulin, acts as a tight junction regulator to restore intestinal barrier function.

Larazotide acetate specifically increases intestinal barrier integrity, effectively reduces arthritis onset.

Larazotide acetate decreases plasma SARS-CoV-2 spike antigen levels and inflammatory markers in multisystem inflammatory syndrome in children (MIS-C).

Larazotide acetate binds SARS-CoV-2 Mpro catalytic domain.

## References

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Benjamin ER, et al. Mol Ther. 2012 Apr;20(4):717-26.

Di Micco S, et al. Int J Mol Sci. 2021 Aug 30;22(17):9427.

M C Arrieta, et al. Gut. 2009 Jan;58(1):41-8.

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

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