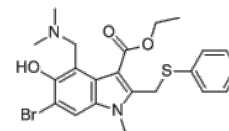


**Product Name** : Umifenovir  
**Cat. No.** : PC-49477  
**CAS No.** : 131707-25-0  
**Molecular Formula** : C<sub>22</sub>H<sub>25</sub>BrN<sub>2</sub>O<sub>3</sub>S  
**Molecular Weight** : 477.42  
**Target** : Influenza Virus  
**Solubility** : 10 mM in DMSO



## Biological Activity

Umifenovir (Arbidol) is a broad-spectrum antiviral compound that blocks **viral fusion**, demonstrates activity against a number of enveloped and non-enveloped viruses, including **influenza A** and B viruses, HCV and SARS-CoV-2.

Umifenovir inhibits membrane fusion of influenza virus. specific antiviral action against both influenza A and influenza B viruses.

Umifenovir exhibits modulatory effects on the immune system, stimulates a humoral immune response, induces interferon-production, and stimulates the phagocytic function of macrophages.

## References

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Boriskin YS, et al. *Viol J*. 2006 Jul 19;3:56.

Vankadari N. *Int J Antimicrob Agents*. 2020 Aug;56(2):105998.

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

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