

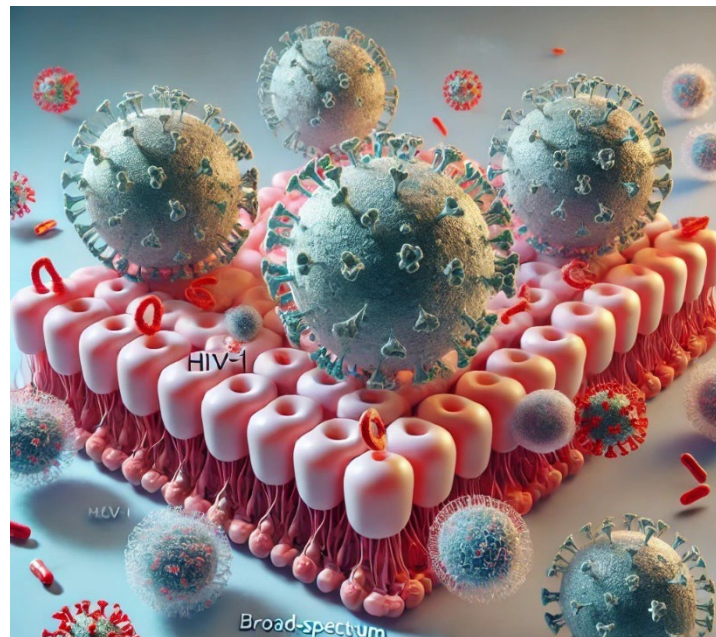
DECIPHERING NATURE'S DEFENSE: BROAD-SPECTRUM ANTIVIRAL PROTECTION WITH PSGL-1

PSGL-1 is a novel antiviral host factor that inhibits viral infectivity through a unique mechanism. It acts as a broad-spectrum antiviral agent by blocking attachment of virus particles to target cells, making a promising target for therapeutic development in combating HIV-1, murine leukemia virus (MLV), and influenza A virus. This innovation opens new pathways for antiviral strategies against diverse viruses by leveraging the host's natural immune defenses.

Key Features

- **Broad-Spectrum Antiviral:** PSGL-1 restricts infectivity across multiple virus types, including HIV-1, MLV, and influenza A
- **Mechanism of Action:** Prevents virus particle binding to target cells, reducing the chances of viral spread and infection
- **Versatile Application:** Effective against enveloped viruses, making it a valuable target for antiviral therapies across different virus families
- **Potential Therapeutic Target:** A new avenue for antiviral drug development, particularly in addressing immune system evasion mechanisms in viral infections

This cutting-edge technology advances the understanding of host-virus interactions and provides a foundation for novel therapeutic interventions.



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