

Docket #: S07-171

Peptides for the Treatment of Hepatitis C Virus Infections

Stanford researchers have identified several peptides that inhibit the binding between certain nonstructural proteins of hepatitis C virus and cytoplasmic membranes. For example, the nonstructural protein NS5A is known to associate with host cell membranes, and is, therefore, believed to play a key role in the replication of hepatitis C virus. Some of the peptides that have been identified have direct virucidal activity themselves. Both types of peptides may prove useful for the treatment of hepatitis C viral infections.

Applications

- Treatment of Hepatitis C Virus Infections

Advantages

- Direct inhibition of hepatitis C viral proteins' interactions with host cytoplasmic membranes
- Virucidal activity

Patents

- Published Application: [20080125367](#)
- Issued: [8,093,353 \(USA\)](#)
- Issued: [8,663,648 \(USA\)](#)

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