

# CSP - 1, Competence Stimulating Peptide - 1

**Product Code:** 1278-005

## Innopep Peptide Product

**Price: \$70.00**

### Short Description

EMRLSKFFRDFILQRKK

### Description

Overview

Description

Competence stimulating peptide-1 is a 17 amino acids pheromone that is secreted by *Streptococcus pneumoniae*. CSP pheromone is used in-vivo for intercellular communication. This peptide activates signal transduction pathway ComABCDE, which regulates natural genetic transformation. The pheromone is ribosomally synthesized as precursor peptide. The mature pheromone is strain specific. CSP pheromone is produced by *S. pneumoniae* strain Rx, which is closely related to strain R6.

Sequence

EMRLSKFFRDFILQRKK

Sequence (3 Letter)

H-Glu-Met-Arg-Leu-Ser-Lys-Phe-Phe-Arg-Asp-Phe-Ile-Leu-Gln-Arg-Lys-Lys-OH

Molecular Weight

2242.7

Properties

Purity

> 95% By HPLC

Storage

Store at -20 °C, cap vial tightly at all times.

### References

Knutsen, E. et al. *J. Bacteriol.* **186**, 3078 (2004).

