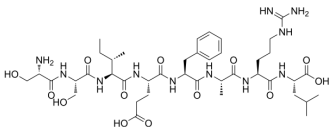
# HSV-gB2 (498-505)



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|---|---|
| **Cat. No.:** | HY-P1862 |
| **CAS No.:** | 149997-91-1 |
| **Molecular Formula:** | $C_{41}H_{67}N_{11}O_{13}$ |
| **Molecular Weight:** | 922.04 |
| **Sequence:** | Ser-Ser-Ile-Glu-Phe-Ala-Arg-Leu |
| **Sequence Shortening:** | SSIEFARL |
| **Target:** | HSV |
| **Pathway:** | Anti-infection |
| **Storage:** | Sealed storage, away from moisture and light, under nitrogen<br>Powder -80°C 2 years<br>-20°C 1 year<br>* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen) |

## SOLVENT & SOLUBILITY

**In Vitro**

$H_2O$ : 5.88 mg/mL (6.38 mM; ultrasonic and adjust pH to 3 with HCl)

**Preparing Stock Solutions**

| Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|
| 1 mM | 1.0846 mL | 5.4228 mL | 10.8455 mL |
| 5 mM | 0.2169 mL | 1.0846 mL | 2.1691 mL |
| 10 mM | --- | --- | --- |

Please refer to the solubility information to select the appropriate solvent.

## BIOLOGICAL ACTIVITY

**Description**

HSV-gB2 (498-505) is an immunodominant epitope from herpes simplex virus (HSV) glycoprotein B residues 498-505, acts as H-2Kb-restricted and HSV-1/2-cross-reactive cytotoxic T-lymphocyte (CTL) recognition epitope[1].

## REFERENCES

[1]. Bonneau RH, et al. Epitope specificity of H-2Kb-restricted, HSV-1-, and HSV-2-cross-reactive cytotoxic T lymphocyte clones. Virology. 1993 Jul;195(1):62-70.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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