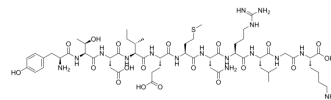


## VSV-G tag Peptide

**Cat. No.:** HY-P0328  
**CAS No.:** 103425-05-4  
**Molecular Formula:** C<sub>57</sub>H<sub>94</sub>N<sub>16</sub>O<sub>19</sub>S  
**Molecular Weight:** 1339.52  
**Sequence:** Tyr-Thr-Asp-Ile-Glu-Met-Asn-Arg-Leu-Gly-Lys  
**Sequence Shortening:** YTDIEMNRLGK  
**Target:** VSV  
**Pathway:** Anti-infection  
**Storage:** Sealed storage, away from moisture



Powder -80°C 2 years  
 -20°C 1 year

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 2 mg/mL (1.49 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		0.7465 mL	3.7327 mL	7.4654 mL
	5 mM		---	---	---
	10 mM		---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

VSV-G Peptide is a 11 amino acid peptide derived from the Vesicular Stomatitis viral glycoprotein.

#### In Vitro

VSV-G is widely used for pseudotyping retroviral, lentiviral, and artificial viral vectors. VSV-G can be incorporated into Ad293 cells and is able to induce cell fusion, leading to the transfer of cytoplasmic protein<sup>[1]</sup>.  
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Liu X, et al. VSV-G Viral Envelope Glycoprotein Prepared from *Pichia pastoris* Enhances Transfection of DNA into Animal Cells. *J Microbiol Biotechnol.* 2017 Jun 28;27(6):1098-1105.

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

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