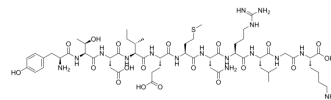


VSV-G tag Peptide

| | |
|----------------------|---|
| Cat. No.: | HY-P0328 |
| CAS No.: | 103425-05-4 |
| Molecular Formula: | C ₅₇ H ₉₄ N ₁₆ O ₁₉ 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

H₂O : 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^[1].
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.

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

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