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## Product Data Sheet

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Product Name: VSV-G Peptide  
 Cat. No.: GP10157

**Chemical Properties**

Cas. No.

Chemical Name VSV-G Peptide

SMILES CCC(C)C(C(=O)NC(CCC(=O)O)C(=O)NC(CCSC)C(=O)NC(CC(=O)N)C(=O)NC(CCCN=C(N)N)C(=O)NC(CC(C)C)C(=O)NCC(=O)NC(CCCC

Formula  $C_{57}H_{94}N_{16}O_{19}S$  M.Wt 13

Solubility >134mg/mL in DMSO Storage D

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

VSV-G , a vesicular stomatitis virus G (VSV-G) protein fragment. VSV-G protein is commonly used in biomedical research to pseudotype retroviral and lentiviral vectors, conveying the ability to transduce a broad range of mammalian cell types with genes of interest. [1] The VSIV G protein has also been used in cytological studies of trafficking in the endomembrane system. Immunoelectron microscopy suggests that VSIV G protein moves from *cis* to *trans* Golgi bodies without being transported between them in vesicles, supporting the cisternal maturation model of Golgi trafficking. [2]

**References:**

1. Cronin J, Zhang XY, Reiser J (2005). "Altering the tropism of lentiviral vectors through pseudotyping". *Curr Gene Ther* **5** (4): 387-98.
2. Mironov AA, Beznoussenko GV, Nicoziani P, Martella O, Trucco A, Kweon H, Giandomenico DD, Polishchuk RS, Fusella A, Lupetti P, Berger EG, Geerts WJC, Koster AJ, Burger KNJ, Luini A (2001). "Small cargo proteins and large aggregates can traverse the Golgi by a common mechanism without leaving the lumen of cisternae". *JCB* **155** (7): 1225-38.

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

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