

## RALA peptide

<b>Cat. No.:</b>	HY-P5284
<b>CAS No.:</b>	1613231-49-4
<b>Molecular Formula:</b>	C <sub>144</sub> H <sub>248</sub> N <sub>54</sub> O <sub>35</sub> S
<b>Molecular Weight:</b>	3327.92
<b>Sequence:</b>	WEARLARALARALARHLARALARALRACEA Trp-Glu-Ala-Arg-Leu-Ala-Arg-Ala-Leu-Ala-Arg-Ala-Leu-Ala-Arg-His-Leu-Ala-Arg-Ala-Leu-Ala-Arg-Ala-Leu-Ala-Cys-Glu-Ala
<b>Sequence Shortening:</b>	WEARLARALARALARHLARALARALRACEA
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Sealed storage, away from moisture and light Powder    -80°C    2 years -20°C    1 year  * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (15.02 mM); ultrasonic and adjust pH to 2 with 1M HCl)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.3005 mL	1.5024 mL	3.0049 mL
	5 mM	0.0601 mL	0.3005 mL	0.6010 mL
	10 mM	0.0300 mL	0.1502 mL	0.3005 mL

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

### BIOLOGICAL ACTIVITY

#### Description

RALA peptide is a cell-penetrating peptide. RALA peptide can be as non-viral gene delivery vectors<sup>[1]</sup>.

### REFERENCES

[1]. Liu Y, et, al. Development and Characterization of High Efficacy Cell-Penetrating Peptide via Modulation of the Histidine and Arginine Ratio for Gene Therapy. Materials (Basel). 2021 Aug 19;14(16):4674.

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

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