

RALA peptide

Cat. No.:	HY-P5284
CAS No.:	1613231-49-4
Molecular Formula:	C ₁₄₄ H ₂₄₈ N ₅₄ O ₃₅ S
Molecular Weight:	3327.92
Sequence:	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
Sequence Shortening:	WEARLARALARALARHLARALARALRACEA
Target:	Others
Pathway:	Others
Storage:	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^[1].

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.

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

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