

Penetratin

Cat. No.: HY-P2529
CAS No.: 940866-75-1
Molecular Formula: C₁₀₈H₁₇₄N₃₆O₂₂S
Molecular Weight: 2360.83
Sequence: Arg-Gln-Ile-Lys-Ile-Trp-Phe-Gln-Asn-Arg-Arg-Met-Lys-Trp-Lys-Lys-Gly-Gly
Sequence Shortening: RQIKIWFQNRRMKWKKGG
Target: Others
Pathway: Others
Storage: Sealed storage, away from moisture and light

RQIKIWFQNRRMKWKKGG

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

H₂O : 100 mg/mL (42.36 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.4236 mL	2.1179 mL	4.2358 mL
	5 mM	0.0847 mL	0.4236 mL	0.8472 mL
	10 mM	0.0424 mL	0.2118 mL	0.4236 mL

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

BIOLOGICAL ACTIVITY

Description

Penetratin is a peptide derived from the amphiphilic *Drosophila Antennapedia* homeodomain^[1].

REFERENCES

[1]. Jianzhong Wen, et al. Quantitation of Super Basic Peptides in Biological Matrices by a Generic Perfluoropentanoic Acid-Based Liquid Chromatography-Mass Spectrometry Method. *J Am Soc Mass Spectrom.* 2019 Sep;30(9):1779-1789.

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

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