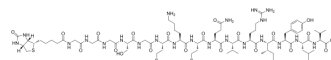


Biotin-H10

Cat. No.:	HY-P5831
Molecular Formula:	C ₇₉ H ₁₃₂ N ₂₂ O ₂₁ S ₃
Molecular Weight:	1822.22
Sequence:	{Biotin}-Gly-Gly-Gly-Ser-Gly-Met-Lys-Met-Gln-Val-Arg-Ile-Tyr-Leu-Val
Sequence Shortening:	{Biotin}-GGGSGMKMQVRIYLV
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 (27.44 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		0.5488 mL	2.7439 mL	5.4878 mL
	5 mM		0.1098 mL	0.5488 mL	1.0976 mL
	10 mM		0.0549 mL	0.2744 mL	0.5488 mL

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

BIOLOGICAL ACTIVITY

Description

Biotin-H10 is a specific anterior gradient homolog 2 (AGR2) inhibitor with a K_D of 6.4 nM. Biotin-H10 inhibits cancer cells viability^[1].

IC₅₀ & Target

KD: 6.4 nM (AGR2)^[1]

REFERENCES

[1]. Garri C, et al. Identification, characterization and application of a new peptide against anterior gradient homolog 2 (AGR2). *Oncotarget*. 2018 Jun 8;9(44):27363-27379.

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

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