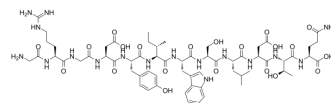


Oligopeptide-68

Cat. No.:	HY-P5251
CAS No.:	1206525-47-4
Molecular Formula:	C ₆₂ H ₉₁ N ₁₇ O ₂₁
Molecular Weight:	1410.49
Sequence:	Gly-Arg-Gly-Asp-Tyr-Ile-Trp-Ser-Leu-Asp-Thr-Gln
Sequence Shortening:	GRGDYIWSLDTQ
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 : 25 mg/mL (17.72 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.7090 mL	3.5449 mL	7.0897 mL
	5 mM	0.1418 mL	0.7090 mL	1.4179 mL
	10 mM	0.0709 mL	0.3545 mL	0.7090 mL

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

BIOLOGICAL ACTIVITY

Description

Oligopeptide-68 is a bioactive peptide with anti-aging effect and has been reported used as a cosmetic ingredient^[1].

REFERENCES

[1]. Prathyapurit WO. Combined use of two formulations containing diacetyl boldine, TGF-β1 biomimetic oligopeptide-68 with other hypopigmenting/exfoliating agents and sunscreen provides effective and convenient treatment for facial melasma. Either is equal to or is better than 4% hydroquinone on normal skin. J Cosmet Dermatol. 2016;15(2):131-144.

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

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