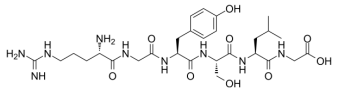
Arg-Gly-Tyr-Ser-Leu-Gly



Cat. No.:	HY-P3935
CAS No.:	59587-18-7
Molecular Formula:	$C_{28}H_{45}N_9O_9$
Molecular Weight:	651.71
Sequence:	Arg-Gly-Tyr-Ser-Leu-Gly
Sequence Shortening:	RGYSLG
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 (38.36 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.5344 mL	7.6721 mL	15.3442 mL
	5 mM	0.3069 mL	1.5344 mL	3.0688 mL
	10 mM	0.1534 mL	0.7672 mL	1.5344 mL

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

BIOLOGICAL ACTIVITY

Description

Arg-Gly-Tyr-Ser-Leu-Gly is corresponding to the sequence of residues from 21 through 26 in lysozyme. Arg-Gly-Tyr-Ser-Leu-Gly can be used as a substrate for the protein kinase, and phosphorylated at serine residue by protein kinase[1].

REFERENCES

[1]. Kemp BE, et al. Synthetic hexapeptide substrates and inhibitors of 3':5'-cyclic AMP-dependent protein kinase. Proc Natl Acad Sci U S A. 1976 Apr;73(4):1038-42.

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

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