

MUC5AC motif peptide

Cat. No.:	HY-P0280
CAS No.:	244049-41-0
Molecular Formula:	C ₆₃ H ₁₀₄ N ₁₆ O ₂₆
Molecular Weight:	1501.62
Sequence:	Gly-Thr-Thr-Pro-Ser-Pro-Val-Pro-Thr-Thr-Ser-Thr-Thr-Ser-Ala-Pro
Sequence Shortening:	GTTPSPVPTTSTTSAP
Target:	Mucin
Pathway:	Immunology/Inflammation
Storage:	Sealed storage, away from moisture and light

GTTPSPVPTTSTTSAP

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 : 100 mg/mL (66.59 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration			
	1 mM	0.6659 mL	3.3297 mL	6.6595 mL
	5 mM	0.1332 mL	0.6659 mL	1.3319 mL
	10 mM	0.0666 mL	0.3330 mL	0.6659 mL

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

BIOLOGICAL ACTIVITY

Description

MUC5AC motif peptide is a 16-amino acid fragment of mucin 5.

In Vitro

The MUC5AC mucin motif peptide (GTTPSPVPTTSTTSAP) is a single-letter amino acid codes. The peptide GTTPSPVPTTSTTSAP, mimicking the human mucin tandem repeat of MUC5AC, has been thought to be of value because of the existence of four identical repeats within the sequence of the clone JER58 (GTTPSAVPTTSTTSVP and GTTPSPVPTTSTTSVP)^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Tetaert D, et al. Glycopeptide N-acetylgalactosaminyltransferase specificities for O-glycosylated sites onMUC5AC mucin motif peptides. Biochem J. 2001 Jul 1;357(Pt 1):313-20.

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

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