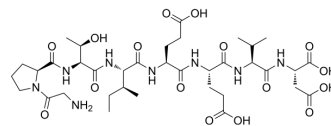


Hsp70-derived octapeptide

Cat. No.:	HY-P1896
CAS No.:	736171-62-3
Molecular Formula:	C ₃₆ H ₅₈ N ₈ O ₁₆
Molecular Weight:	858.89
Sequence Shortening:	GPTIEEVD
Target:	HSP
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 1.82 mg/mL (2.12 mM); ultrasonic and adjust pH to 1 with HCl)

Concentration	Mass	Solvent		
		1 mg	5 mg	10 mg
1 mM	1.1643 mL	5.8215 mL	11.6429 mL	
5 mM	---	---	---	
10 mM	---	---	---	

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

BIOLOGICAL ACTIVITY

Description

Hsp70-derived octapeptide is a conserved octapeptide of the C-terminal end of Hsp70, which physically interacts with tetratricopeptide repeat (TPR) motifs^{[1][2]}.

REFERENCES

- [1]. Tutar Y, et al. Primate chaperones Hsc70 (constitutive) and Hsp70 (induced) differ functionally in supporting growth and prion propagation in *Saccharomyces cerevisiae*. *Genetics*. 2006 Feb;172(2):851-61.
- [2]. Kajander T, et al. Electrostatic interactions of Hsp-organizing protein tetratricopeptide domains with Hsp70 and Hsp90: computational analysis and protein engineering. *J Biol Chem*. 2009 Sep 11;284(37):25364-74.

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

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