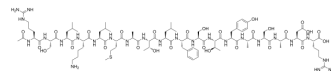


## Myosin H Chain Fragment, mouse

<b>Cat. No.:</b>	HY-P2464
<b>Molecular Formula:</b>	C <sub>91</sub> H <sub>149</sub> N <sub>25</sub> O <sub>28</sub> S
<b>Molecular Weight:</b>	2073.37
<b>Sequence:</b>	Ac-Arg-Ser-Leu-Lys-Leu-Met-Ala-Thr-Leu-Phe-Ser-Thr-Tyr-Ala-Ser-Ala-Asp-Arg
<b>Sequence Shortening:</b>	Ac-RSLKLMATLFSTYASADR
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	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

H<sub>2</sub>O : 20 mg/mL (9.65 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.4823 mL	2.4115 mL	4.8231 mL
	5 mM	0.0965 mL	0.4823 mL	0.9646 mL
	10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

Myosin H Chain Fragment, mouse is a fragment of the  $\alpha$ -Myosin heavy chain peptide. Myosin H Chain Fragment can be used to induce experimental autoimmune myocarditis (EAM) mouse model<sup>[1][2]</sup>.

### REFERENCES

- [1]. Moritz Mirna, et al. Autoimmune myocarditis is not associated with left ventricular systolic dysfunction. *Eur J Clin Invest.* 2019 Aug;49(8):e13132.
- [2]. Ludwig T. Weckbach, et al. Blocking LFA-1 Aggravates Cardiac Inflammation in Experimental Autoimmune Myocarditis. *Cells.* 2019 Oct; 8(10): 1267.

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

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