

## SAHM1

Cat. No.:	HY-P2203
CAS No.:	2050906-89-1
Molecular Formula:	C <sub>94</sub> H <sub>162</sub> N <sub>36</sub> O <sub>23</sub> S
Molecular Weight:	2196.58
Sequence Shortening:	Ac-{Bal}-ERLRRRI-{Aaa}-LCR-{Aaa}-HHST (Covalent bridge:Aaa9-Aaa13)
Target:	Notch
Pathway:	Neuronal Signaling; Stem Cell/Wnt
Storage:	Sealed storage, away from moisture and light, under nitrogen 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, under nitrogen)

### BIOLOGICAL ACTIVITY

Description	SAHM1, a peptide mimetic of a dominant negative form of mastermind-like (MAML), inhibits canonical Notch transcription complex formation. SAHM1 can be used for the research of allergic airway inflammation in mice <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	Notch <sup>[1]</sup>

### CUSTOMER VALIDATION

- BMC Cancer. 2022 May 18;22(1):558.

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### REFERENCES

[1]. Ashley JW, et, al. Notch signaling promotes osteoclast maturation and resorptive activity. J Cell Biochem. 2015 Nov;116(11):2598-609.

[2]. KleinJan A, et, al. The Notch pathway inhibitor stapled  $\alpha$ -helical peptide derived from mastermind-like 1 (SAHM1) abrogates the hallmarks of allergic asthma. J Allergy Clin Immunol. 2018 Jul;142(1):76-85.e8.

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

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