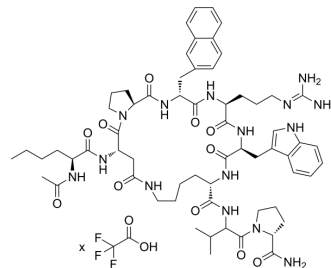


## TCMCB07 TFA

<b>Cat. No.:</b>	HY-P5971A
<b>Molecular Formula:</b>	C <sub>63</sub> H <sub>87</sub> N <sub>15</sub> O <sub>11</sub> .xC <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>
<b>Target:</b>	Melanocortin Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	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

<b>In Vitro</b>	DMSO : ≥ 100 mg/mL
	* "≥" means soluble, but saturation unknown.

### BIOLOGICAL ACTIVITY

<b>Description</b>	TCMCB07 TFA, a cyclic nonapeptide peptide, is an orally active and brain-penetrant melanocortin receptor 4 (MC4R) antagonist. TCMCB07 TFA plays an important role in cachexia <sup>[1]</sup> .
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### REFERENCES

[1]. Yongjun Hu, et al. Characterization of the cellular transport mechanisms for the anti-cachexia candidate compound TCMCB07. J Cachexia Sarcopenia Muscle. 2020 Dec;11(6):1677-1687.

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

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