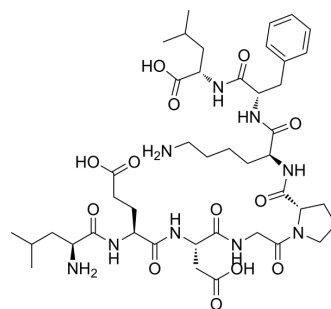


## Thymoctonan

<b>Cat. No.:</b>	HY-125301
<b>CAS No.:</b>	107489-37-2
<b>Molecular Formula:</b>	C <sub>43</sub> H <sub>67</sub> N <sub>9</sub> O <sub>13</sub>
<b>Molecular Weight:</b>	918.04
<b>Sequence Shortening:</b>	LEDGPKFL
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Thymoctonan (THF-γ2) is the immunomodulatory octapeptide, thymic humoral factor γ2. Thymoctonan has the half-life less than 6 min at 37 °C in blood from human, rat and mouse <sup>[1]</sup> .
<b>In Vitro</b>	The main fragments formed from THF-γ2 were found to be Glu-Asp-Gly-Pro-Lys-Phe-Leu (2-8), Asp-Gly-Pro-Lys-Phe-Leu (3-8) and Glu-Asp-Gly-Pro-Lys (2-6) in human and in rat blood and 2-8 and 2-6 in mouse blood <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Martignoni M, et al. Degradation of thymic humoral factor γ2 in human, rat and mouse blood: An experimental and theoretical study. *Biochim Biophys Acta Proteins Proteom.* 2020 Sep;1868(9):140467.

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

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