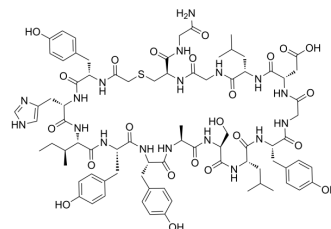


## Lib2-1

<b>Cat. No.:</b>	HY-P5963
<b>CAS No.:</b>	2983116-47-6
<b>Molecular Formula:</b>	C <sub>81</sub> H <sub>108</sub> N <sub>18</sub> O <sub>23</sub> S
<b>Molecular Weight:</b>	1733.9
<b>Sequence:</b>	Ac-Tyr-His-Ile-Tyr-Tyr-Ala-Ser-Leu-Tyr-Gly-Asp-Leu-Gly-Cys-Gly-NH <sub>2</sub> (Thioether bond between: Tyr1-Cys15)
<b>Sequence Shortening:</b>	Ac-YHIYYASLYGDLGCG-NH <sub>2</sub> (Thioether bond between: Tyr1-Cys15)
<b>Target:</b>	Interleukin Related
<b>Pathway:</b>	Immunology/Inflammation
<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

DMSO : 100 mg/mL (57.67 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.5767 mL	2.8837 mL	5.7673 mL
5 mM	0.1153 mL	0.5767 mL	1.1535 mL
10 mM	0.0577 mL	0.2884 mL	0.5767 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Lib2-1, a macrocyclic peptide, is an IL-17C/IL-17RE interaction inhibitor. Lib2-1 can be used for autoimmune and inflammatory diseases research<sup>[1]</sup>.

### REFERENCES

[1]. Silong Zhai, et al. PepScaf: Harnessing Machine Learning with In Vitro Selection toward De Novo Macrocyclic Peptides against IL-17C/IL-17RE Interaction. *J Med Chem.* 2023 Aug 24;66(16):11187-11200.

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

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