

## Exendin-3/4 (59-86)

<b>Cat. No.:</b>	HY-P1223
<b>CAS No.:</b>	1263874-37-8
<b>Molecular Formula:</b>	C <sub>136</sub> H <sub>212</sub> N <sub>36</sub> O <sub>42</sub> S
<b>Molecular Weight:</b>	3055.42
<b>Sequence:</b>	Lys-Gln-Met-Glu-Glu-Glu-Ala-Val-Arg-Leu-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser KQMEEEAVRLFIEWLKNGGPSSGAPPPS
<b>Sequence Shortening:</b>	KQMEEEAVRLFIEWLKNGGPSSGAPPPS
<b>Target:</b>	GCGR
<b>Pathway:</b>	GPCR/G Protein
<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

#### In Vitro

H<sub>2</sub>O : 50 mg/mL (16.36 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.3273 mL	1.6364 mL	3.2729 mL
	5 mM	0.0655 mL	0.3273 mL	0.6546 mL
	10 mM	0.0327 mL	0.1636 mL	0.3273 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Exendin-3/4 (59-86) is a Exendin-4 peptide derivative.

#### In Vitro

Exendin-4 is a pure GLP-1 receptor agonist. Exendin-4 peptide derivatives are structurally derived from Exendin-4 and may relates to dual GLP-1/glucagon receptor agonists. Their medical use, for example in the treatment of disorders of the metabolic syndrome, including diabetes and obesity, as well as for reduction of excess food intake. These dual GLP-1/glucagon receptor agonists show reduced activity on the GIP receptor to reduce the risk of hypoglycemia<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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

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