



LKT Laboratories, Inc.

Exendin 3 (9-39)

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Product Information

Product ID E9418

CAS No. 133514-43-9

Chemical Name

Synonym 9-39-Exendin 3(Heloderma horridum) (9CI), Exendin 3 (9-39)

Formula $C_{149}H_{234}N_{40}O_{47}S$

Formula Wt. 3369.83

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water (1 mg/mL),
DMSO.

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Exendin 3 (9-39) is a gastrointestinal motility modulating peptide fragment of exendin-3. This peptide acts as an antagonist at glucagon-like peptide 1 (GLP-1) receptors, increasing spontaneous contractions in colon circular muscle. This peptide inhibits the effects of exendin-4 and other GLP-1 agonists. Exendin-3 was originally found in *Heloderma* lizards.

H-Asp-Leu-Ser-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-NH₂

Bulk quantities available upon request

Product ID	Size
E9418	0.5 mg
E9418	1 mg
E9418	2.5 mg

References Amato A, Baldassano S, Liotta R, et al. Exogenous glucagon-like peptide-1 reduces contractions in human colon circular muscle. J Endocrinol. 2014 Jan 17. [Epub ahead of print]. PMID: 24443715.

Hu G, Zhang Y, Jiang H, et al. Exendin-4 attenuates myocardial ischemia and reperfusion injury by inhibiting high mobility group box 1 protein expression. Cardiol J. 2013;20(6):600-4. PMID: 24338536.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.