

## Liraglutide-<sup>13</sup>C<sub>6</sub>,<sup>15</sup>N TFA

<b>Cat. No.:</b>	HY-P0014S2	
<b>Molecular Formula:</b>	C <sub>166</sub> <sup>13</sup> C <sub>6</sub> H <sub>265</sub> N <sub>42</sub> <sup>15</sup> NO <sub>51</sub> ·xH <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>	
<b>Sequence:</b>	His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-{Lys-N6 -[N-(1-oxohexadecyl)-L-g-glutamyl]}-Glu-Phe-Ile-Ala-Trp-{Leu-13C6,15N}-Val-Arg-Gly- Arg-Gly	N6-[N-(1-oxohexadecyl)-L-γ-glutamyl] HAEGTFTSDV SSYLEGQAAK EFWLVRGR G (TFA salt)
<b>Sequence Shortening:</b>	HAEGTFTSDVSSYLEGQAA-{Lys-N6-[N-(1-oxohexadecyl)-L-g-glutamyl]}-EFAW-{Leu-13 C6,15N}-VRGRG	
<b>Target:</b>	Isotope-Labeled Compounds	
<b>Pathway:</b>	Others	
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.	

### BIOLOGICAL ACTIVITY

#### Description

Liraglutide-<sup>13</sup>C<sub>6</sub>,<sup>15</sup>N (TFA) is the <sup>13</sup>C and <sup>15</sup>N labeled Liraglutide (HY-P0014). Liraglutide is a glucagon-like peptide-1 (GLP-1) receptor agonist used clinically to treat type 2 diabetes mellitus<sup>[1]</sup>.

### REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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

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