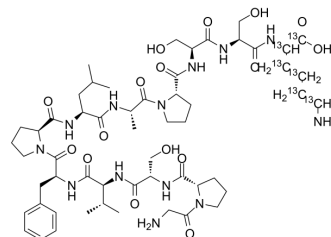


## GPSVFPLAPSSK-<sup>13</sup>C<sub>6</sub>

<b>Cat. No.:</b>	HY-P5168S
<b>CAS No.:</b>	2077176-84-0
<b>Molecular Formula:</b>	C <sub>49</sub> <sup>13</sup> C <sub>6</sub> H <sub>87</sub> N <sub>13</sub> O <sub>16</sub>
<b>Molecular Weight:</b>	1192.31
<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

<b>Description</b>	GPSVFPLAPSSK- <sup>13</sup> C <sub>6</sub> is the <sup>13</sup> C labeled GPSVFPLAPSSK. GPSVFPLAPSSK is an IgG1 signature peptide of anti-SARS-CoV-2 antibodies. GPSVFPLAPSSK can be used for the quantification of the specific isolation of anti-SARS-CoV-2 antibodies <sup>[1][2]</sup> .
<b>In Vitro</b>	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. de Jong KAM, et al. Quantification of anti-SARS-CoV-2 antibodies in human serum with LC-QTOF-MS. J Pharm Biomed Anal. 2021 Oct 25;205:114319.
- [2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-226.

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

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