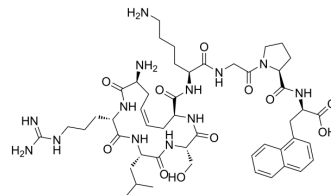


## NH<sub>2</sub>-c[X-R-L-S-X]-K-G-P-(D-1NaI)

<b>Cat. No.:</b>	HY-P3346
<b>CAS No.:</b>	2891469-80-8
<b>Molecular Formula:</b>	C <sub>49</sub> H <sub>73</sub> N <sub>13</sub> O <sub>11</sub>
<b>Molecular Weight:</b>	1020.18
<b>Target:</b>	Apelin Receptor (APJ)
<b>Pathway:</b>	GPCR/G Protein
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	NH <sub>2</sub> -c[X-R-L-S-X]-K-G-P-(D-1NaI) (compound 39) is a potent APJ agonist, with a K <sub>i</sub> of 0.6 nM. NH <sub>2</sub> -c[X-R-L-S-X]-K-G-P-(D-1NaI) can activate Gαi1 (EC <sub>50</sub> =0.8 nM) and recruit β-arrestin2 (EC <sub>50</sub> =31 nM). NH <sub>2</sub> -c[X-R-L-S-X]-K-G-P-(D-1NaI) exhibits prolonged cardiac effects <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	APJ <sup>[1]</sup>

### REFERENCES

[1]. Tran K, et, al. Size-Reduced Macrocyclic Analogues of [Pyr 1]-apelin-13 Showing Negative Gα 12 Bias Still Produce Prolonged Cardiac Effects. J Med Chem. 2022 Jan 13;65(1):531-551.

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

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