

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

Cat. No.:	HY-P3347
CAS No.:	2891469-81-9
Molecular Formula:	C <sub>49</sub> H <sub>73</sub> N <sub>13</sub> O <sub>11</sub>
Molecular Weight:	1020.18
Target:	Apelin Receptor (APJ)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	NH <sub>2</sub> -c[X-R-L-S-X]-K-G-P-(D-2NaI) (compound 40), a macrocyclic analogue of Ape13, is a potent APJ agonist (K <sub>i</sub> =5.7 nM). NH <sub>2</sub> -c[X-R-L-S-X]-K-G-P-(D-2NaI) exhibits a favorable Gα12-biased signaling and an increased in vivo half-life <sup>[1]</sup> .
IC <sub>50</sub> & Target	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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