

## AR-M1896

Cat. No.:	HY-P1129
CAS No.:	367518-31-8
Molecular Formula:	C <sub>54</sub> H <sub>81</sub> N <sub>13</sub> O <sub>14</sub>
Molecular Weight:	1136.3
Sequence:	Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-NH <sub>2</sub>
Sequence Shortening:	WTLNSAGYLL-NH <sub>2</sub>
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	AR-M1896 is a GalR2 selective agonist with a binding IC <sub>50</sub> of 1.76 nM for rat GalR2. AR-M1896 can be used for the research of acute myocardial infarction and neuropathic pain <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 1.76 nM (rat GalR2), 879 nM (hGalR1) <sup>[1]</sup>

### REFERENCES

[1]. Liu HX, et al. Receptor subtype-specific pronociceptive and analgesic actions of galanin in the spinal cord: selective actions via GalR1 and GalR2 receptors. Proc Natl Acad Sci U S A. 2001 Aug 14;98(17):9960-4.

[2]. Serebryakova L, et al. Galanin and its N-terminal fragments reduce acute myocardial infarction in rats. Peptides. 2019 Jan;111:127-131.

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

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