

## hMC1R agonist 1

Cat. No.:	HY-P99004
Molecular Formula:	C <sub>54</sub> H <sub>70</sub> N <sub>14</sub> O <sub>8</sub> S <sub>2</sub>
Molecular Weight:	1107.35
Target:	Melanocortin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	(EC <sub>50</sub> =3 nM). hMC1R agonist 1 shows at least 300-fold selectivity for hMC1R over hMC3R (b>EC <sub>50</sub> =902 nM), hMC4R (b>EC <sub>50</sub> =915 nM), and hMC5R (b>EC <sub>50</sub> =>1000 nM). hMC1R agonist 1 has the potential for the therapeutic intervention of melanocortin family <sup>[1]</sup> .
IC <sub>50</sub> & Target	MC1R

### REFERENCES

[1]. Nafie MS, et al. Exploration of novel VEGFR2 tyrosine kinase inhibitors via design and synthesis of new alkylated indolyl-triazole Schiff bases for targeting breast cancer. Bioorg Chem. 2022; 122:105708.

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

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