

## γ1-MSH

Cat. No.:	HY-P1214
CAS No.:	72629-65-3
Molecular Formula:	C <sub>72</sub> H <sub>97</sub> N <sub>21</sub> O <sub>14</sub> S
Molecular Weight:	1512.74
Sequence Shortening:	YVMGHFRWDRF-NH2
Target:	Melanocortin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Sealed storage, away from moisture
	Powder    -80°C    2 years
	-20°C    1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

## BIOLOGICAL ACTIVITY

Description	γ1-MSH is a melanocortin MC3 receptor agonist, with a K <sub>i</sub> of 34 nM for the rat MC3 receptor. γ1-MSH displays ~40-fold selectivity over MC4 (K <sub>i</sub> =1318 nM) <sup>[1]</sup> .
IC <sub>50</sub> & Target	MC3R

## REFERENCES

[1]. Lindblom J, et al. Autoradiographic discrimination of melanocortin receptors indicates that the MC3 subtype dominates in the medial rat brain. Brain Res. 1998;810(1-2):161-171. doi:10.1016/s0006-8993(98)00918-4

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

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