

## Head activator neuropeptide

Cat. No.:	HY-P3840
CAS No.:	79943-68-3
Molecular Formula:	C <sub>54</sub> H <sub>84</sub> N <sub>12</sub> O <sub>14</sub>
Molecular Weight:	1125.32
Sequence Shortening:	Glp-PPGGSKVILF
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	Head activator neuropeptide is a mitogen for mammalian cell lines of neuronal or neuroendocrine origin. Head activator neuropeptide signals by binding GPR37 and stimulates cells to enter mitosis <sup>[1]</sup> .
IC <sub>50</sub> & Target	GPR37 <sup>[1]</sup>
In Vitro	Head activator neuropeptide (2 nM, 0-60 min) stimulates internalisation of GPR37 in COS-7 cell transfected with GPR37-FLAG <sup>[1]</sup> . Head activator neuropeptide (EC <sub>50</sub> : 3.3 nM) increases in Ca <sup>2+</sup> mobilisation in CHO-K1 cells transfected with apoaequorin and GPR37 <sup>[1]</sup> . Head activator neuropeptide (EC <sub>50</sub> : 5.6 nM) stimulates a current increase in frog oocytes expressing GPR37 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Rezgaoui M, et al. The neuropeptide head activator is a high-affinity ligand for the orphan G-protein-coupled receptor GPR37. J Cell Sci. 2006 Feb 1;119(Pt 3):542-9.

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

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