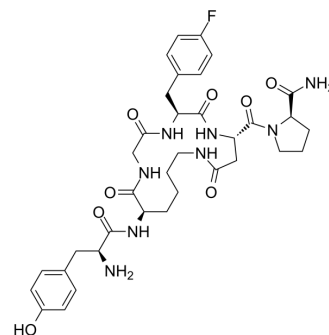


$\mu/\kappa/\delta$ opioid receptor agonist 1

Cat. No.:	HY-P10203
Molecular Formula:	C ₃₅ H ₄₅ FN ₈ O ₈
Molecular Weight:	724.78
Sequence:	Tyr-cyclo({d-Lys}-Gly-{p-F-Phe}-Asp)-{d-Pro}-NH ₂
Sequence Shortening:	Y-cyclo({d-Lys}-G-{p-F-Phe}-D)-{d-Pro}-NH ₂
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

$\mu/\kappa/\delta$ opioid receptor agonist 1 is a μ opioid receptor (MOR), κ opioid receptor (KOR), and δ opioid receptor (DOR) agonist. $\mu/\kappa/\delta$ opioid receptor agonist 1 produces a strong and long-lasting analgesic effect through peripheral MOR and KOR in the tail-flick test^[1].

REFERENCES

[1]. Zhang Q, et al. Structure-Activity Relationships of a Novel Cyclic Hexapeptide That Exhibits Multifunctional Opioid Agonism and Produces Potent Antinociceptive Activity. J Med Chem. 2024 Jan 11;67(1):272-288.

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

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