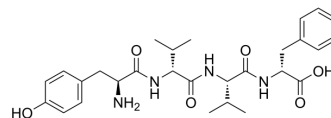


Bilaid C

Cat. No.:	HY-P4107
CAS No.:	2393866-13-0
Molecular Formula:	C ₂₈ H ₃₈ N ₄ O ₆
Molecular Weight:	526.62
Sequence:	Tyr-[D-Val]-Val-[D-Phe]
Sequence Shortening:	Y-[D-Val]-V-[D-Phe]
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	Bilaid C, a tetrapeptide, can be isolated from the Australian estuarine isolate of <i>Penicillium</i> sp. MST-MF667. Bilaid C is also a potent and selective μ -Opioid Receptor (MOPr) agonist ($K_i=210$ nM, hMOPr) ^[1] .
IC ₅₀ & Target	human μ -opioid receptor 210 nM (K _i)

REFERENCES

[1]. Dekan Z, et al. A tetrapeptide class of biased analgesics from an Australian fungus targets the μ -opioid receptor. *Proc Natl Acad Sci U S A*. 2019 Oct 29;116(44):22353-22358.

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

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