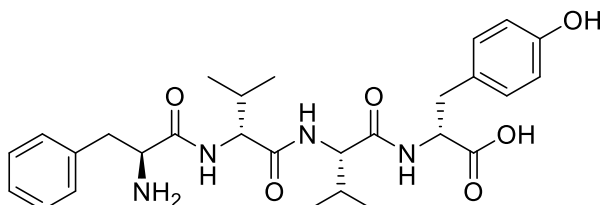


Bilaid B

Code No.: **BIA-B2276**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 2393866-06-1
Molecular Formula	: C ₂₈ H ₃₈ N ₄ O ₆
Molecular Weight	: 526.6
Source	: <i>Penicillium</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Bilaid B (FvVy-OH) is a hydroxylated analogue of a family of tetrapeptides with an unusual alternating LDLD chirality isolated from an Australian estuarine isolate of *Penicillium* sp. MST-MF667. Bilaid B exhibited very weak μ -opioid agonist and the class formed the foundation for the design of more potent analogues, bilorphin and bilactorphin. The bioassay profile of bilaid B has not been extensively investigated.

References

1. A tetrapeptide class of biased analgesics from an Australian fungus targets the μ -opioid receptor. Dekan Z. et al. Proc Nat Acad Sci. 2019, 116, 22535.