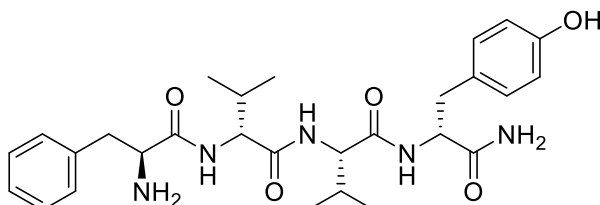


Bilaid B1

Code No.: **BIA-B2277**

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



Synonyms :

Specifications

CAS #	: 2393866-07-2
Molecular Formula	: C ₂₈ H ₃₉ N ₅ O ₅
Molecular Weight	: 525.6
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Bilaid B1 (FvVy-NH₂) is the semi-synthetic analogue of Bilaid B, an unusual tetrapeptide isolated from an Australian estuarine isolate of *Penicillium* sp. MST-MF667. Conversion of the terminal carboxylate to its corresponding amide enhanced the μ -opioid agonist potency leading to the design of more potent analogues, bilorphin and bilactorphin.

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.