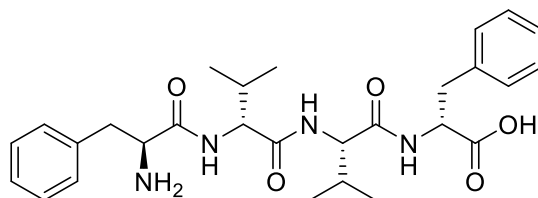


## Bilaid A

Code No.: **BIA-B2274**

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



Synonyms :

## Specifications

CAS #	: 2393865-97-7
Molecular Formula	: C <sub>28</sub> H <sub>38</sub> N <sub>4</sub> O <sub>5</sub>
Molecular Weight	: 510.6
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 A (FvVf-OH) is the major analogue of a family of tetrapeptides with an unusual alternating LDLD chirality isolated from an Australian estuarine isolate of *Penicillium* sp. MST-MF667. Bilaid A is a weak  $\mu$ -opioid agonist and the class formed the foundation for the design of more potent analogues, bilorphin and bilactorphin. The role of the bilaid in the fungus's secondary metabolite cohort is unknown.

## References

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