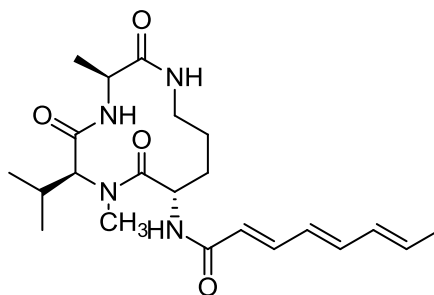


## JBIR-15

Code No.: **BIA-J1720**

Pack sizes: **0.25 mg, 1 mg**



Synonyms :

## Specifications

CAS #	: 1198588-57-6
Molecular Formula	: C <sub>22</sub> H <sub>34</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight	: 418.5
Source	: <i>Aspergillus sp.</i>
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

## Application Notes

JBIR-15 is a non-proteogenic cyclic tripeptide isolated from a marine sponge-derived *Aspergillus sclerotiorum* by researchers at BIRC, Japan in 2009. JBIR-15 is N-demethylaspochracin, the macrocycle comprising alanine, N-methylvaline and an ornithine cyclised through the delta rather than the alpha-amino group. The alpha amino is acylated with an octa-2,4,6-trienoic acid. JBIR-15 is known to be non-toxic to mammalian cell lines and insects but its biological activity is largely unexplored.

## References

1. Structure of aspochracin, an insecticidal metabolite of *Aspergillus ochraceus*. Myokei R. et al., Tet. Lett. 1969, 695.
2. JBIR-15, a new aspochracin derivative, isolated from a sponge-derived fungus, *Aspergillus sclerotiorum* Huber Sp080903f04. Motohashi K. et al., Biosci. Biotechnol. Biochem. 2009, 73, 1898.