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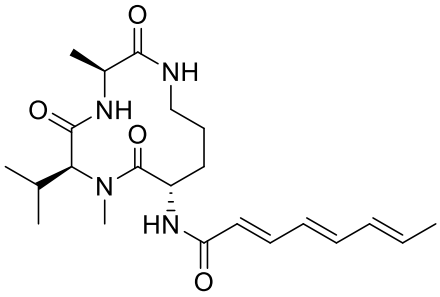
PRODUCT DATA SHEET

JBIR-15

Code No.: **BIA-J1720**

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



Synonyms : -

Specifications

CAS #	:	**1198588-57-6**
Molecular Formula	:	**$C_{22}H_{34}N_4O_4$**
Molecular Weight	:	**418.5**
Source	:	***Aspergillus* sp.**
Appearance	:	**Yellow solid**
Purity	:	**>90% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, 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.

For in vitro laboratory use only. Not for human or animal use.

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