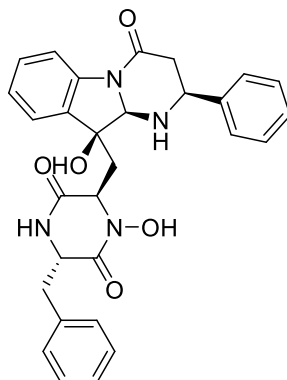


Haenamindole

Code No.: **BIA-H3084**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : -

Specifications

CAS #	: 1818844-73-3
Molecular Formula	: C ₂₉ H ₂₈ N ₄ O ₅
Molecular Weight	: 512.6
Source	: <i>Penicillium</i> sp.
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol and DMSO.

Application Notes

Haenamindole was first isolated from an undescribed marine-derived *Penicillium* species by Ahn and colleagues, Korea Research Institute of Bioscience and Biotechnology in 2015. Haenamindole is the N-hydroxy derivative of citreindole, an unusual diketopiperazine metabolite with antitumor activity. Haenamindole exhibits antiinsectan activity against the fall armyworm *Spodoptera frugiperda*, but is reported as having no antimicrobial and or antitumor activity.

References

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2. Matsunaga K. et al. (1991). Isolation and structure of citreindole, a new metabolite of hybrid strain KO 0052 derived from *Penicillium citreoviride* B. IFO 6200 and 4692. *Tetrahedron Lett.*, 32, 6883.
3. Hwang I.H. et al. (2016). Haenamindole and fumiquinazoline analogs from a fungicolous isolate of *Penicillium lanosum*. *J. Antibiot.*, 69, 631.
4. Song F. et al. (2016). Structure revision of the *Penicillium* alkaloids haenamindole and citreindole. *Tetrahedron Lett.*, 57, 3851.
5. Hamed A. et al. (2021). Meleagrins from marine fungus *Emericella dentata* Nq45: Crystal structure and diverse biological activity studies. *Nat. Prod. Rep.*, 35, 3830.

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