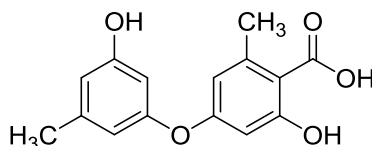


Deoxygerfelin

Code No.: **BIA-D1850**

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



Synonyms : 4-Carboxydiorcinal

Specifications

CAS #	: 36149-01-6
Molecular Formula	: C ₁₅ H ₁₄ O ₅
Molecular Weight	: 274.3
Source	: <i>Aspergillus fumigatus</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Deoxygerfelin was isolated from a mutagen-treated strain of *Aspergillus fumigatus* that failed to produce fumigatin and spinulosin, by researchers at Kanazawa University, Japan in 1972. Deoxygerfelin is closely related to gerfelin, a metabolite isolated from *Beaveria felina* as a geranylgeranyl diphosphatase synthase inhibitor. The biological profile of deoxygerfelin is largely unexplored.

References

1. Metabolic products of a strain of *Aspergillus fumigatus* DH 413. V. New metabolite produced by ethionine inhibition. Yamamoto Y. et al., Chem. Pharm. Bull. 1972, 20, 931.
2. Gerfelin, a novel inhibitor of geranylgeranyl diphosphate synthase from *Beauveria felina* QN22047. I. Taxonomy, fermentation, isolation, and biological activities. Zenitani S. et al., J. Antibiot. 2003, 56, 617.