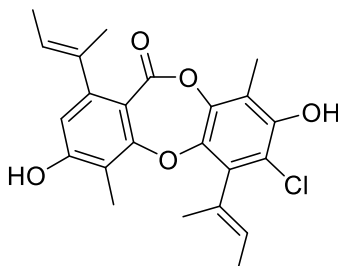


## Emeguisin A

Code No.: **BIA-E2398**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms :

### Specifications

CAS #	: 117032-54-9
Molecular Formula	: C <sub>23</sub> H <sub>23</sub> ClO <sub>5</sub>
Molecular Weight	: 414.9
Source	: <i>Emericella</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

### Application Notes

Emeguisin A was first isolated from the fungus *Emericella unguis* by Yamakazaki and coworkers from Hoshi University, Japan in 1988. Emeguisin A exhibits potent antibacterial activity against *Staphylococcus aureus* including methicillin-resistant strains, as well as strong antifungal activity against *Cryptococcus neoformans*, each with MIC values of 0.5 µg/mL.

### References

1. Studies on fungal products. Part 22. Isolation and structures of novel fungal depsidones, emeguisins A, B, and C, from *Emericella unguis*. Kawahara N. et al. J Chem Soc Perkin Trans I Org Bioorg Chem. 1988, 9, 2611.
2. Depsidone and phthalide derivatives from the soil-derived fungus *Aspergillus unguis* PSU-RSPG199. Tet Lett. 2016, 57, 4348.
3. Expanding the chemical space around the nidulin pharmacophore. Morshed M.T. et al. Org Biomolec Chem. 2018, 16, 3038.