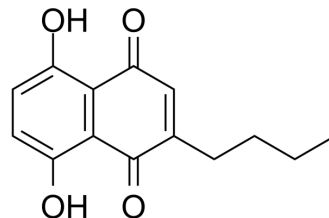


## Antifungal agent 87

Cat. No.:	HY-149778
CAS No.:	692730-21-5
Molecular Formula:	C <sub>14</sub> H <sub>14</sub> O <sub>4</sub>
Molecular Weight:	246.26
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Antifungal agent 87(10) acts as a highly potent PDT antimycotic photosensitizer (PDT-IC <sub>50</sub> = 1 nM for <i>T. rubrum</i> ) <sup>[1]</sup> .
IC <sub>50</sub> & Target	PDT-IC <sub>50</sub> = 1 nM for <i>T. rubrum</i>
In Vitro	Antifungal agent 87(10) penetrates to a depth of approximately 50-70 μm in the cattle's hoof keratin membranes, which has significant keratinophilic features <sup>[1]</sup> . Antifungal agent 87(10) produces local antifungal effects by irradiating light at keratinpenetrating wavelength (~500 nm) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Baier J, et al. Novel Henna-Related Naphthazarine Photosensitizers for an Effective Photodynamic Therapy of Onychomycosis. *ACS Pharmacology & Translational Science*. 2023 Nov.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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