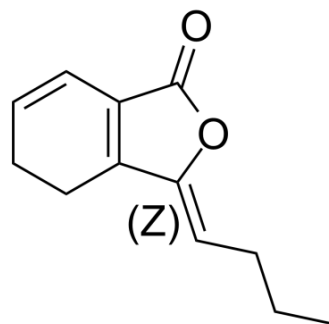


(Z)-Ligustilide

| | |
|--------------------|---|
| Cat. No.: | HY-N0401A |
| CAS No.: | 81944-09-4 |
| Molecular Formula: | C ₁₂ H ₁₄ O ₂ |
| Molecular Weight: | 190.24 |
| Target: | Bacterial |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the COA. |



BIOLOGICAL ACTIVITY

Description

(Z)-Ligustilide is extracted from *Ligusticum chuanxiong* Hort, has antimicrobial and antifungal activity, exhibits an average antifungal score of 5.6^[1]. (Z)-Ligustilide inhibits the expression of FATP5 and DGAT, inhibits fatty acid uptake and esterification in mice and has potential as therapeutics for nonalcoholic fatty liver disease (NAFLD) ^[2].

REFERENCES

[1]. Rodrigues AMS, et al. The antifungal potential of (Z)-ligustilide and the protective effect of eugenol demonstrated by a chemometric approach. *Sci Rep.* 2019 Jun 19;9(1):8729. doi: 10.1038/s41598-019-45222-y

[2]. Ma H, et al. Z-ligustilide restores tamoxifen sensitivity of ERα negative breast cancer cells by reversing MTA1/IFI16/HDACs complex mediated epigenetic repression of ERα. *Oncotarget.* 2017 Apr 25;8(17):29328-29345.

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

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