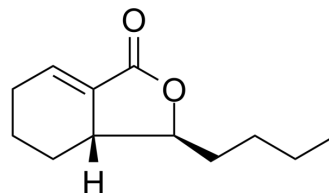


Neocnidilide

Cat. No.:	HY-N2563
CAS No.:	4567-33-3
Molecular Formula:	C ₁₂ H ₁₈ O ₂
Molecular Weight:	194.27
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Neocnidilide is an alkylphthalide, which has the activity of inhibiting the growth of mycotoxin-producing fungi. Neocnidilide also has larvicidal activity against *D. melanogaster* with a LC₅₀ value of 9.9 μmol/mL^{[1][2]}.

REFERENCES

[1]. Xiao-Zhen Jiao, et al. Study of stereoselective synthesis of (+/-)-neocnidilide. *J Asian Nat Prod Res.* 2003 Sep;5(3):165-9.

[2]. Toshihiko Tsukamoto, et al. Larvicidal and adulticidal activity of alkylphthalide derivatives from rhizome of *Cnidium officinale* against *Drosophila melanogaster*. *J Agric Food Chem.* 2005 Jul 13;53(14):5549-53.

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

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