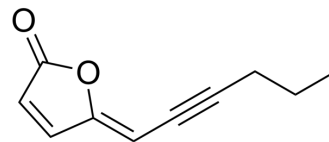


(4Z)-Lachnophyllum lactone

Cat. No.:	HY-N0970
CAS No.:	81122-95-4
Molecular Formula:	C ₁₀ H ₁₀ O ₂
Molecular Weight:	162.19
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(4Z)-Lachnophyllum lactone is a enyne derivative. (4Z)-Lachnophyllum lactone shows growth inhibitory activity against *Lemna paucicostata* (IC₅₀=104 μM), which is a problematic and invasive weed^[1]. (4Z)-Lachnophyllum lactone is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

REFERENCES

[1]. Queiroz SC, et al. Bioassay-directed isolation and identification of phytotoxic and fungitoxic acetylenes from *Conyza canadensis*. J Agric Food Chem. 2012 Jun 13;60(23):5893-8.

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

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