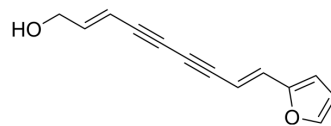


Atractylodinol

Cat. No.:	HY-N2092
CAS No.:	61642-89-5
Molecular Formula:	C ₁₃ H ₁₀ O ₂
Molecular Weight:	198.22
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Atractylodinol, an antimicrobial, is a PRRSV (porcine reproductive and respiratory syndrome virus) inhibitor. Atractylodinol inhibits TGF- β receptor I recycling by binding to vimentin (K_D of 454 nM) and inducing the formation of filamentous aggregates^{[1][2]}.

REFERENCES

- [1]. Mengjiao Hao, et al. Atractylodinol prevents pulmonary fibrosis through inhibiting TGF- β receptor 1 recycling by stabilizing vimentin. *Mol Ther.* 2023 Oct 4;31(10):3015-3033.
- [2]. Alyssa B Evans, et al. Identification and characterization of small molecule inhibitors of porcine reproductive and respiratory syndrome virus. *Antiviral Res.* 2017 Oct;146:28-35.

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

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