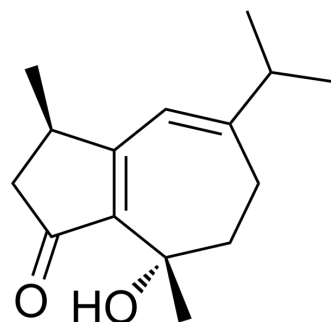


Nardoguaianone K

Cat. No.:	HY-N10588
CAS No.:	443128-65-2
Molecular Formula:	C ₁₅ H ₂₂ O ₂
Molecular Weight:	234.33
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Nardoguaianone K, a guaianane-type compound, can be isolated from <i>Nardostachys chinensis</i> roots. Nardoguaianone K can be used in the research of pancreatic cancer ^{[1][2]} .	
In Vitro	Nardoguaianone K (72 h) shows remarkable cytotoxicity against SW1990 cell and CFPAC-1 cell ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay ^[2]	
	Cell Line:	SW1990 and CFPAC-1 cell
	Concentration:	0-20 μM approximately
	Incubation Time:	72 h
	Result:	Inhibited SW1990 cell and CFPAC-1 cell viability, with IC ₅₀ values of 4.82 μM and 15.85 μM respectively.

REFERENCES

- [1]. Tanitsu MA, et al. Guaiane- and aristolane-type sesquiterpenoids of *Nardostachys chinensis* roots. *Phytochemistry*. 2002 Apr;59(8):845-9.
- [2]. Ma LM, et al. Terpenoids from *Nardostachys jatamansi* and their cytotoxic activity against human pancreatic cancer cell lines. *Phytochemistry*. 2022 Aug;200:113228.

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

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