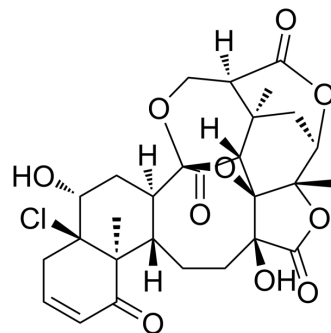


Physalin H

Cat. No.:	HY-N8270
CAS No.:	70241-09-7
Molecular Formula:	C ₂₈ H ₃₁ ClO ₁₀
Molecular Weight:	562.99
Target:	Hedgehog; Endogenous Metabolite
Pathway:	Stem Cell/Wnt; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Physalin H is a natural product that can be isolated from *Solanum nigrum*. Physalin H is an inhibitor of Hedgehog (Hh) signaling and it disrupts GLI1-DNA-complex formation. Physalin H inhibits GLI1 transcription with an IC₅₀ value of 0.7 μM. Physalin H shows cytotoxicity to PANC1 and DU145 cells with IC₅₀ values of 5.7 and 6.8 μM, respectively^[1].

REFERENCES

[1]. Arai MA, et al. Physalin H from *Solanum nigrum* as an Hh signaling inhibitor blocks GLI1-DNA-complex formation. *Beilstein J Org Chem*. 2014 Jan 13;10:134-40.

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

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