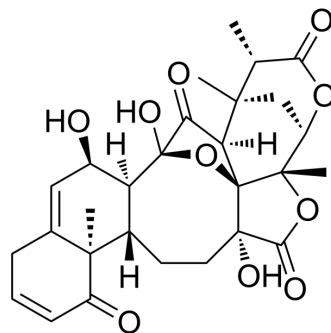


Physalin O

| | |
|--------------------|---|
| Cat. No.: | HY-N10023 |
| CAS No.: | 120849-18-5 |
| Molecular Formula: | C ₂₈ H ₃₂ O ₁₀ |
| Molecular Weight: | 528.55 |
| Target: | NO Synthase |
| Pathway: | Immunology/Inflammation |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Physalin O is a physalin that can be isolated from *Physalis angulata*. Physalin O shows cytotoxicity to Hep G2 and MCF-7 cancer cells with IC₅₀ values of 31.1 and 11.4 μM, respectively. Physalin O inhibits the production of nitric oxide (NO) and shows anti-inflammatory activities^{[1][2]}.

REFERENCES

[1]. Kuo PC, et al. Physanolide A, a novel skeleton steroid, and other cytotoxic principles from *Physalis angulata*. *Org Lett*. 2006 Jul 6;8(14):2953-6.

[2]. Ji L, et al. Physalins with anti-inflammatory activity are present in *Physalis alkekengi* var. *franchetii* and can function as Michael reaction acceptors. *Steroids*. 2012 Apr;77(5):441-7.

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

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