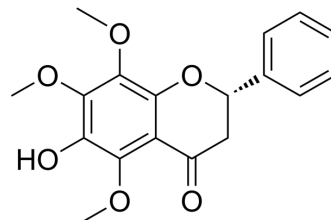


Isopedicin

Cat. No.:	HY-N3464
CAS No.:	4431-42-9
Molecular Formula:	C ₁₈ H ₁₈ O ₆
Molecular Weight:	330.33
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Isopedicin potently and concentration-dependently inhibits superoxide anion (O₂⁻) production in formyl-L-methionyl-L-leucyl-L-phenylalanine (FMLP)-activated cells. Isopedicin increases cAMP formation and PKA activity in FMLP-activated cells by inhibiting phosphodiesterase (PDE) activity^[1].

REFERENCES

[1]. Hwang TL, et al. Potent inhibition of superoxide anion production in activated human neutrophils by isopedicin, a bioactive component of the Chinese medicinal herb *Fissistigma oldhamii*. *Free Radic Biol Med*. 2009 Feb 15;46(4):520-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA