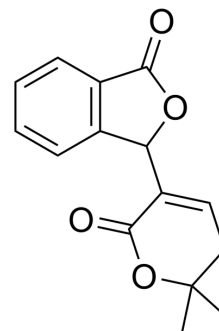


Catalpalactone

Cat. No.:	HY-N3548
CAS No.:	1585-68-8
Molecular Formula:	C ₁₅ H ₁₄ O ₄
Molecular Weight:	258.27
Target:	NF-κB
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Catalpalactone has anti-inflammatory effect. Catalpalactone inhibits LPS-induced NO production and iNOS expression in RAW264.7 cells, and also inhibits IRF3, NF-κB, and IFN-β/STAT-1 activation. Catalpalactone also inhibits dopamine biosynthesis by reducing tyrosine hydroxylase (TH) and aromatic-l-amino acid decarboxylase (AADC) activities^{[1][2]}.

REFERENCES

- [1]. Kim HY, et al. Anti-Inflammatory Effects of Catalpalactone Isolated from *Catalpa ovata* in LPS-Induced RAW264.7 Cells. *Molecules*. 2019 Mar 29;24(7):1236.
- [2]. Huang HS, et al. Effects of catalpalactone on dopamine biosynthesis and L-DOPA-induced cytotoxicity in PC12 cells. *Environ Toxicol Pharmacol*. 2008 Jul;26(1):86-91.

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