

Orellanine

Cat. No.:	HY-W661499
CAS No.:	37338-80-0
Molecular Formula:	C ₁₀ H ₈ N ₂ O ₆
Molecular Weight:	252.18
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Orellanine is a fungal nephrotoxin. Orellanine is also a competitive inhibitor of alkaline phosphatase. Orellanine induces cell death in proximal tubular cells and in ccRCC cells. Orellanine can be used for research of clear cell renal cell carcinoma (ccRCC)^{[1][2]}.

REFERENCES

- [1]. Lyons MJ, et al. Orellanine: From Fungal Origin to a Potential Future Cancer Treatment. *J Nat Prod.* 2023 Jun 23;86(6):1620-1631.
- [2]. Buvall L, et al. Orellanine specifically targets renal clear cell carcinoma. *Oncotarget.* 2017 Jul 25;8(53):91085-91098.

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