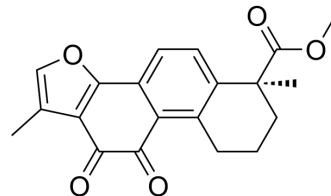


Methyl tanshinonate

Cat. No.:	HY-126416
CAS No.:	18887-19-9
Molecular Formula:	C ₂₀ H ₁₈ O ₅
Molecular Weight:	338.35
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Methyl tanshinonate is a tanshinone, that can be isolated from *Salvia miltiorrhiza* (*S. miltiorrhiza*) Bunge (Lamiaceae). Methyl tanshinonate is a potent inhibitor of M^{Pr}o enzyme in SARS-CoV (IC₅₀ = 21.1 μM). Methyl tanshinonate can be used for diabetes and SARS-CoV research^{[1][2][3]}.

REFERENCES

- [1]. Kim DH, et al. Characterization of the inhibitory activity of natural tanshinones from *Salvia miltiorrhiza* roots on protein tyrosine phosphatase 1B. *Chem Biol Interact.* 2017 Dec 25;278:65-73.
- [2]. Ni L, et al. Qualitative analysis of the roots of *Salvia miltiorrhiza* and *Salvia yunnanensis* based on NIR, UHPLC and LC-MS-MS. *J Pharm Biomed Anal.* 2019 Jun 5;170:295-304.
- [3]. Diniz LRL, et al. Bioactive Terpenes and Their Derivatives as Potential SARS-CoV-2 Proteases Inhibitors from Molecular Modeling Studies. *Biomolecules.* 2021 Jan 7;11(1):74.

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

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