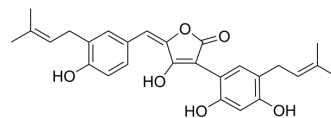


Aspulvinone O

Cat. No.:	HY-N6237
CAS No.:	914071-54-8
Molecular Formula:	C ₂₇ H ₂₈ O ₆
Molecular Weight:	448.51
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (55.74 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		2.2296 mL	11.1480 mL	22.2960 mL
5 mM		0.4459 mL	2.2296 mL	4.4592 mL
10 mM		0.2230 mL	1.1148 mL	2.2296 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Aspulvinone O is a natural inhibitor of aspartate transaminase 1 (GOT1). GOT1 plays an important role in energy metabolism and Reactive Oxygen Species (ROS) balance. GOT1 may serve as an important target in PDAC. Aspulvinone O suppresses pancreatic ductal adenocarcinoma cells growth by interfering glutamine metabolism^[1].

REFERENCES

[1]. Sun W, et al. Aspulvinone O, a natural inhibitor of GOT1 suppresses pancreatic ductal adenocarcinoma cells growth by interfering glutamine metabolism. Cell Commun Signal. 2019;17(1):111.

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

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