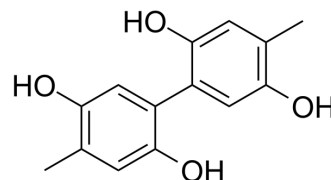


NSC2805

Cat. No.:	HY-134417
CAS No.:	4371-34-0
Molecular Formula:	C ₁₄ H ₁₄ O ₄
Molecular Weight:	246.26
Target:	Others
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (40.61 mM; Need ultrasonic)
H₂O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	4.0607 mL	20.3037 mL	40.6075 mL
5 mM	0.8121 mL	4.0607 mL	8.1215 mL		
10 mM	0.4061 mL	2.0304 mL	4.0607 mL		

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

BIOLOGICAL ACTIVITY

Description

NSC2805 is a WWP2 ubiquitin ligase inhibitor that can significant inhibit WWP2 activity with an IC₅₀ of 0.38 μM. NSC2805 can be used for the research of cancer^[1].

In Vitro

NSC2805 has WWP2 inhibitory activity with an IC₅₀ of 0.38 μM^[1].
NSC2805 shows a significant reduction in activity for all three proteins (WWP2, WWP1 and Nedd4)^[1].
NSC2805 can robustly inhibit WWP2-dependent PTEN ubiquitination^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jessica E Watt, et al. Discovery of Small Molecule WWP2 Ubiquitin Ligase Inhibitors. Chemistry. 2018 Dec 3;24(67):17677-17680.

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

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