Sennoside B

Cat. No.:	HY-N0366	_OH Ī _ OH
CAS No.:	128-57-4	0
Molecular Formula:	C ₄₂ H ₃₈ O ₂₀	ОН О О' ТОН
Molecular Weight:	862.74	HO ₂ C H
Target:	PDGFR	CO ₂ H
Pathway:	Protein Tyrosine Kinase/RTK	он үүүү но _{м.} Ууусоо он
Storage:	4°C, sealed storage, away from moisture and light * The compound is unstable in solutions, freshly prepared is recommended.	

SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (1	15.91 mM; Need ultrasonic)				
		Solvent Mass Concentration	1 mg	5 mg	10 mg	
	Preparing Stock Solutions	1 mM	1.1591 mL	5.7955 mL	11.5910 mL	
		5 mM	0.2318 mL	1.1591 mL	2.3182 mL	
		10 mM	0.1159 mL	0.5795 mL	1.1591 mL	
	Please refer to the sol	ubility information to select the ap	propriate solvent.			
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (2.90 mM); Clear solution					
2. Add each solvent Solubility: ≥ 2.5 n		one by one: 10% DMSO >> 90% co g/mL (2.90 mM); Clear solution	rn oil			

ent and orally active platelet-derived growth factor (PDGF) inhibitor. Sennoside B inhibits cell expression of phosphorylation of PDGFR-β, STAT-5, AKT and ERK induced by PDGF-BB. Sennoside B ive activities. Sennoside B has the potential for the research of gastritis ^{[1][2]} .
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es prostaglandin E2 (PGE2) levels and inhibits H+/K+-ATPase ^[1] . μM) increases the concentration of PGE2 to 105.4 pg/mL and 173.6 pg/mL in AGS gastric cells at doses respectively ^[1] . 00, 1000 nM) decreases the expression of PDGF-BB-induced phosphorylation of PDGFR-β, STAT-5, AKT ependent manner ^[2] . idently confirmed the accuracy of these methods. They are for reference only. s ^[2]

Inhibitors • Screening Libraries

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Proteins

Product Data Sheet



	Coll Lino	MC62 colle
	Cell Line.	MOOS Cells
	Concentration:	0, 10, 100, 1000 nM
	Incubation Time:	
	Result:	Resulted in a marked inhibition of PDGF-BB-induced PDGFR- β phosphorylation.
In Vivo	Sennoside B (100 mg/k (HY-14397) induces gas MCE has not independe	sg; p.o.) shows gastroprotective activities by reducing lesion indices in HCl•EtOH and Indomethacin stritis in rats ^[1] . ently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Sennoside B (100 mg/k (HY-14397) induces gas MCE has not independe Animal Model:	(g; p.o.) shows gastroprotective activities by reducing lesion indices in HCl•EtOH and Indomethacin stritis in rats ^[1] . ently confirmed the accuracy of these methods. They are for reference only. 170-200g, Male Sprague-Dawley rats (HCl•EtOH-induced gastritis) ^[1]
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CUSTOMER VALIDATION

• Cell Host Microbe. 2023 Nov 8;31(11):1820-1836.e10.

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REFERENCES

[1]. Hwang IY, et al. Gastroprotective Activities of Sennoside A and Sennoside B via the Up-Regulation of Prostaglandin E2 and the Inhibition of H(+)/K(+)-ATPase. Biomol Ther (Seoul). 2015 Sep;23(5):458-64.

[2]. Chen YC, et al. Sennoside B inhibits PDGF receptor signaling and cell proliferation induced by PDGF-BB in human osteosarcoma cells. Life Sci. 2009 Jun 19;84(25-26):915-22.

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

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