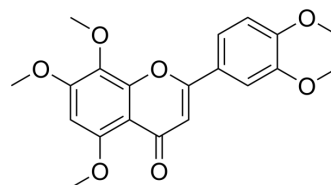


Isosinensetin

Cat. No.:	HY-N1941
CAS No.:	17290-70-9
Molecular Formula:	C ₂₀ H ₂₀ O ₇
Molecular Weight:	372.37
Target:	P-glycoprotein; Bacterial
Pathway:	Membrane Transporter/Ion Channel; Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (33.57 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6855 mL	13.4275 mL	26.8550 mL
	5 mM	0.5371 mL	2.6855 mL	5.3710 mL
	10 mM	0.2686 mL	1.3428 mL	2.6855 mL

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

BIOLOGICAL ACTIVITY

Description

Isosinensetin, a polymethoxylated flavone extracted from pericarpium citri reticulatae viride, exhibits inhibition on P-glycoprotein (P-gp) in MDR1-MDCKII cells^{[1][2]}.

IC₅₀ & Target

P-glycoprotein^[2]

REFERENCES

[1]. Wang D, et al. Identification of polymethoxylated flavones from green tangerine peel (Pericarpium Citri Reticulatae Viride) by chromatographic and spectroscopic techniques. J Pharm Biomed Anal. 2007 May 9;44(1):63-9.

[2]. Bai J, et al. Inhibitory effects of flavonoids on P-glycoprotein in vitro and in vivo: Food/herb-drug interactions and structure-activity relationships. Toxicol Appl Pharmacol. 2019 Apr 15;369:49-59.

[3]. Kanda Panthong, et al. Prenylated flavone from roots of a hybrid between Artocarpus heterophyllus and Artocarpus integer and its biological activities. Journal of the Brazilian Chemical Society. Print version ISSN 0103-5053

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

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