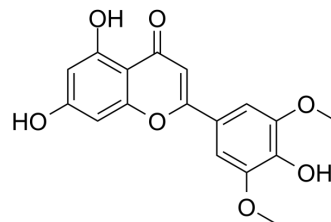


Tricin

Cat. No.:	HY-N1127
CAS No.:	520-32-1
Molecular Formula:	C ₁₇ H ₁₄ O ₇
Molecular Weight:	330.29
Target:	CMV
Pathway:	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 : 125 mg/mL (378.46 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.0276 mL	15.1382 mL	30.2764 mL
		5 mM		0.6055 mL	3.0276 mL	6.0553 mL
10 mM		0.3028 mL	1.5138 mL	3.0276 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (6.30 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Tricin is a natural flavonoid present in large amounts in rice bran. Tricin can inhibit human cytomegalovirus (HCMV) replication by inhibiting CDK9. Tricin inhibits the proliferation and invasion of C6 glioma cells via the upregulation of focal-adhesion-kinase (FAK)-targeting microRNA-7 ^{[1][2][3]} .
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CUSTOMER VALIDATION

- Pharmacol Res. 2021, 105574.

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REFERENCES

- [1]. Itoh A, et al. Tricin inhibits the CCL5 induction required for efficient growth of human cytomegalovirus. *Microbiol Immunol.* 2018 May;62(5):341-347.
- [2]. Sadanari H, et al. The anti-human cytomegalovirus drug triclin inhibits cyclin-dependent kinase 9. *FEBS Open Bio.* 2018 Feb 20;8(4):646-654.
- [3]. Chung DJ, et al. Inhibition of the Proliferation and Invasion of C6 Glioma Cells by Tricin via the Upregulation of Focal-Adhesion-Kinase-Targeting MicroRNA-7. *J Agric Food Chem.* 2018 Jul 5;66(26):6708-6716.
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Caution: Product has not been fully validated for medical applications. For research use only.

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