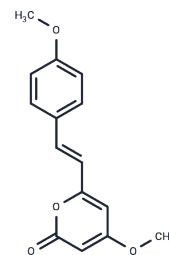


yangonin

Chemical Properties

CAS No. :	500-62-9
Formula:	C ₁₅ H ₁₄ O ₄
Molecular Weight:	258.27
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Yangonin (Y100550) is a novel CB receptor ligand, it exhibits affinity for the human recombinant CB receptor. Yangonin (Y100550) could be a valuable candidate for the intervention of NF-κB-dependent pathological conditions such as inflammation.
Targets(IC50)	Cannabinoid Receptor,NF-κB,Autophagy

Solubility Information

Solubility	DMSO: 10 mg/mL (38.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8719 mL	19.3596 mL	38.7192 mL
5 mM	0.7744 mL	3.8719 mL	7.7438 mL
10 mM	0.3872 mL	1.936 mL	3.8719 mL
50 mM	0.0774 mL	0.3872 mL	0.7744 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Ligresti A, et al. Kavalactones and the endocannabinoid system: the plant-derived yangonin is a novel CB₁ receptor ligand. *Pharmacol Res.* 2012 Aug;66(2):163-9.

Ma J, et al. Yangonin blocks tumor necrosis factor- α -induced nuclear factor- κ B-dependent transcription by inhibiting the transactivation potential of the RelA/p65 subunit. *J Pharmacol Sci.* 2012;118(4):447-54.

Wruck CJ, et al. Kavalactones protect neural cells against amyloid beta peptide-induced neurotoxicity via extracellular signal-regulated kinase 1/2-dependent nuclear factor erythroid 2-related factor 2 activation. *Mol Pharmacol.* 2008 Jun;73(6):1785-95.

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