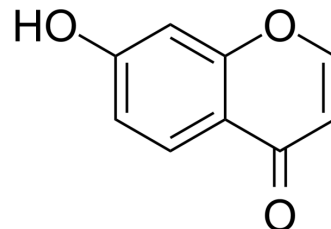


7-Hydroxy-4-chromone

Cat. No.:	HY-N6596		
CAS No.:	59887-89-7		
Molecular Formula:	C ₉ H ₆ O ₃		
Molecular Weight:	162.14		
Target:	Src		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 14.29 mg/mL (88.13 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
	Preparing Stock Solutions	1 mM	5 mM	10 mM
		6.1675 mL	30.8375 mL	61.6751 mL
		1.2335 mL	6.1675 mL	12.3350 mL
		0.6168 mL	3.0838 mL	6.1675 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: ≥ 1.43 mg/mL (8.82 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 1.43 mg/mL (8.82 mM); Suspended solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	7-Hydroxychromone is a Src kinase inhibitor with an IC ₅₀ of <300 μM.
IC ₅₀ & Target	IC ₅₀ : <300 μM (Src) ^[1]
In Vitro	7-Hydroxychromone (compound 8) is a 4-oxo-4H-1-benzopyran derivative which can inhibit Src kinase with an IC ₅₀ of <300 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Karam Chand, et al. Synthesis, Antiproliferative, and c-Src Kinase Inhibitory Activities of 4-Oxo-4H-1-benzopyran Derivatives. J. Heterocycl. Chem. 2014.

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

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