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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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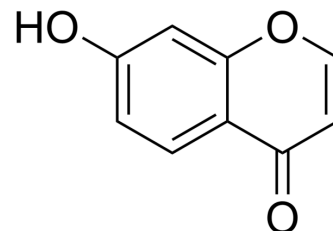
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7-Hydroxy-4H-chromen-4-one

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 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 14.29 mg/mL (88.13 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		6.1674 mL	30.8368 mL	61.6736 mL
		5 mM		1.2335 mL	6.1674 mL	12.3347 mL
		10 mM		0.6167 mL	3.0837 mL	6.1674 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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