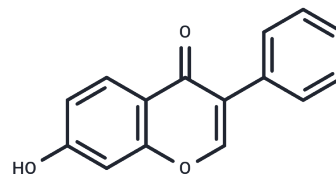


7-Hydroxyisoflavone

Chemical Properties

CAS No. :	13057-72-2
Formula:	C ₁₅ H ₁₀ O ₃
Molecular Weight:	238.24
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	7-Hydroxyisoflavone against Enterovirus 71 in vitro.
Targets(IC50)	Others
In vitro	7-hydroxyisoflavone was active against EV71. 7-Hydroxyisoflavone exhibited strong antiviral activity against three different EV71 strains. The 50% inhibitory concentration range was between 3.25 and 4.92 μ M by cytopathic effect assay. 7-Hydroxyisoflavone could reduce EV71 viral RNA and protein synthesis in a dose-dependent manner. Time course study showed that treatment of Vero cells with 7-hydroxyisoflavone at indicated times after EV71 inoculation (0-6 h) resulted in significant antiviral activity[1].

Solubility Information

Solubility	DMSO: 25 mg/mL (104.94 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1974 mL	20.9872 mL	41.9745 mL
5 mM	0.8395 mL	4.1974 mL	8.3949 mL
10 mM	0.4197 mL	2.0987 mL	4.1974 mL
50 mM	0.0839 mL	0.4197 mL	0.8395 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.

Reference

Wang H Q , Meng S , Li Z R , et al. The antiviral effect of 7-hydroxyisoflavone against Enterovirus 71, in vitro[J]. Journal of Asian Natural Products Research, 2013, 15(4):382-389.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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