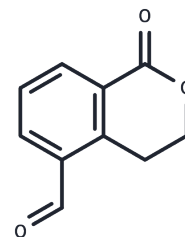


Erythrocentaurin

Chemical Properties

CAS No. :	50276-98-7
Formula:	C ₁₀ H ₈ O ₃
Molecular Weight:	176.17
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	Erythrocentaurin is a natural 2,3-dihydroisocoumarin compound. Erythrocentaurin is a novel hepatitis B virus inhibitor with an IC ₅₀ of 12.5 μM. Erythrocentaurin also exhibits α-amylase inhibitory activity, with an IC ₅₀ of 45.2 μM.
Targets(IC50)	Antifection,HBV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6763 mL	28.3817 mL	56.7634 mL
5 mM	1.1353 mL	5.6763 mL	11.3527 mL
10 mM	0.5676 mL	2.8382 mL	5.6763 mL
50 mM	0.1135 mL	0.5676 mL	1.1353 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

Chang-An Geng, et al. Synthesis of erythrocentaurin derivatives as a new class of hepatitis B virus inhibitors. Bioorg Med Chem Lett. 2015 Apr 1;25(7):1568-71.

Hassan N, et al. Rapid preparative isolation of erythrocentaurin from *Enicostemma littorale* by medium-pressure liquid chromatography, its estimation by high-pressure thin-layer chromatography, and its α-amylase inhibitory activity. J Sep Sci. 2015;38(4):592-598.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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