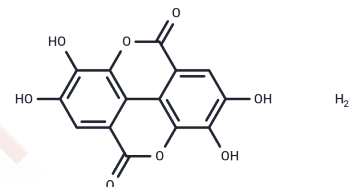


Ellagic acid (hydrate)

Chemical Properties

CAS No. :	314041-08-2
Formula:	C ₁₄ H ₈ O ₉
Molecular Weight:	320.21
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	Ellagic acid (hydrate) is a natural antioxidant and acts as a potent and ATP-competitive CK2 inhibitor (IC ₅₀ :40 nM, K _i : 20 nM).
Targets(IC ₅₀)	Antioxidant, Casein Kinase

Solubility Information

Solubility	DMSO: 2 mg/mL (6.25 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	3.123 mL	15.6148 mL	31.2295 mL
5 mM	0.6246 mL	3.123 mL	6.2459 mL
10 mM	0.3123 mL	1.5615 mL	3.123 mL
50 mM	0.0625 mL	0.3123 mL	0.6246 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

Cozza G, et al. Identification of ellagic acid as potent inhibitor of protein kinase CK2: a successful example of a virtual screening application. J Med Chem. 2006 Apr 20;49(8):2363-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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