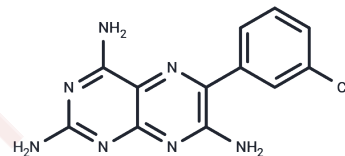


Epiblastin A

Chemical Properties

CAS No. :	16470-02-3
Formula:	C ₁₂ H ₁₀ ClN ₇
Molecular Weight:	287.71
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	Epiblastin A is an inhibitor of Casein Kinase 1 (CK1). Epiblastin A engages CK1 isoenzymes in cell lysate and induces efficient conversion of epiblast stem cells (EpiSCs) into embryonic stem cells (cESCs).
Targets(IC50)	Casein Kinase

Solubility Information

Solubility	DMSO: 3.85 mg/mL (13.38 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	3.4757 mL	17.3786 mL	34.7572 mL
5 mM	0.6951 mL	3.4757 mL	6.9514 mL
10 mM	0.3476 mL	1.7379 mL	3.4757 mL
50 mM	0.0695 mL	0.3476 mL	0.6951 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

Ursu A, Illich DJ, Takemoto Y, et al. Epiblastin A Induces Reprogramming of Epiblast Stem Cells Into Embryonic Stem Cells by Inhibition of Casein Kinase 1[J]. Cell Chemical Biology, 2016, 23(4):494-507.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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