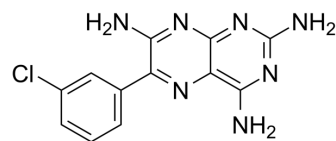


Epiblastin A

Cat. No.:	HY-114858		
CAS No.:	16470-02-3		
Molecular Formula:	C ₁₂ H ₁₀ ClN ₇		
Molecular Weight:	287.71		
Target:	Casein Kinase		
Pathway:	Cell Cycle/DNA Damage; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 4.55 mg/mL (15.81 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Epiblastin A is an ATP competitive casein kinase 1 (CK1) inhibitor with IC₅₀s of 8.9, 0.5, and 4.7 μM for CK1α, CK1δ, and CK1 ε, respectively. Epiblastin A induces reprogramming of epiblast stem cells into embryonic stem cells by inhibition of CK1^[1].

REFERENCES

[1]. Andrei Ursu, et al. Epiblastin A Induces Reprogramming of Epiblast Stem Cells Into Embryonic Stem Cells by Inhibition of Casein Kinase 1. Cell Chem Biol. 2016 Apr 21;23(4):494-507.

Caution: Product has not been fully validated for medical applications. For research use only.

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