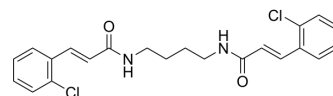


BCPA

Cat. No.:	HY-153675		
CAS No.:	547731-67-9		
Molecular Formula:	C ₂₂ H ₂₂ Cl ₂ N ₂ O ₂		
Molecular Weight:	417.33		
Target:	PIN1		
Pathway:	PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 6.67 mg/mL (15.98 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3962 mL	11.9809 mL	23.9619 mL
	5 mM	0.4792 mL	2.3962 mL	4.7924 mL
	10 mM	0.2396 mL	1.1981 mL	2.3962 mL

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

BIOLOGICAL ACTIVITY

Description

BCPA is a Pin1 regulator without cytotoxicity. BCPA attenuates the reduction of Pin1 protein to inhibit receptor activator of RANKL-induced osteoclastogenesis. BCPA regulates osteoclast activation, used to osteoporosis research^[1].

REFERENCES

[1]. Cho E, et al. BCPA [N, N'-1, 4-Butanediy]bis [3-(2-chlorophenyl) acrylamide]] Inhibits osteoclast differentiation through increased retention of peptidyl-prolyl cis-trans isomerase never in mitosis A-interacting 1[J]. International Journal of Molecular Sciences, 2018, 19(11): 3436.

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

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