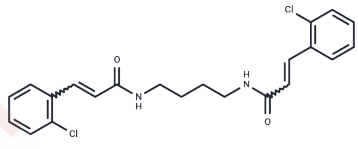
Data Sheet (Cat.No.T77567)

TargetMol

BCPA

Chemical Properties



CAS No. : 547731-67-9

Formula: C22H22Cl2N2O2

Molecular Weight: 417.33

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	BCPA is a non-cytotoxic Pin1 modulator.BCPA modulates osteoclast activation and attenuates the reduction of Pin1 protein, thereby inhibiting RANKL-induced receptor activators of osteoclastogenesis.BCPA is used in the study of osteoporosis.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 2.09 mg/mL (5.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0479 mL	0.2396 mL	0.4792 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

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

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