

## Picoberin

## Chemical Properties

CAS No. :	3034663-23-2
Formula:	C17H13BrClNO
Molecular Weight:	362.65
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	Picoberin is a potent inhibitor at low picomolar concentrations, effectively blocking osteoblast differentiation induced by the Hedgehog signaling pathway. As a strong aryl hydrocarbon receptor (AhR) agonist, it also inhibits Wnt3A-induced osteoblast differentiation in C3H10T1/2 cells. Additionally, Picoberin upregulates genes encoding phase I and II metabolic enzymes.
Targets(IC50)	Aryl Hydrocarbon Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7575 mL	13.7874 mL	27.5748 mL
5 mM	0.5515 mL	2.7575 mL	5.515 mL
10 mM	0.2757 mL	1.3787 mL	2.7575 mL
50 mM	0.0551 mL	0.2757 mL	0.5515 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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