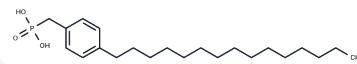


## BMP-22

## Chemical Properties

CAS No. :	1306684-90-1
Formula:	C <sub>22</sub> H <sub>39</sub> O <sub>3</sub> P
Molecular Weight:	382.52
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	BMP-22 is an inhibitor of autotaxin (IC <sub>50</sub> = 170 nM). It is selective for autotaxin over the phosphodiesterases NPP6 and NPP7 at 10 μM. BMP-22 (0.1-1,000 nM) inhibits autotaxin-mediated production of lysophosphatidic acid (LPA) from lysophosphatidylcholine in vitro in a concentration-dependent manner. It inhibits LPC-dependent MM1 cell invasion of a human umbilical vein endothelial cell (HUVEC) monolayer. BMP-22 (0.5 mg/kg per day) decreases the number of lung metastatic foci in a B16/F10 syngeneic mouse melanoma model of lung metastasis.
Targets(IC <sub>50</sub> )	Others,PDE

## Solubility Information

Solubility	DMF: 20 mg/mL (52.28 mM),Sonication is recommended. Ethanol: 10 mg/mL (26.14 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	2.6142 mL	13.0712 mL	26.1424 mL
5 mM	0.5228 mL	2.6142 mL	5.2285 mL
10 mM	0.2614 mL	1.3071 mL	2.6142 mL
50 mM	0.0523 mL	0.2614 mL	0.5228 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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