

Product Data Sheet

Product Name: BMP-22
Cat. No.: GC42951

Chemical Properties

Cas. No. 1306684-90-1

SMILES OP(CC1=CC=C(CCCCCCCCCCCCCC)C=C1)(O)=O

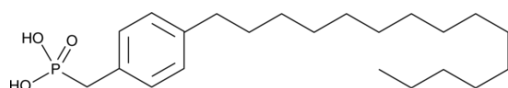
Formula C₂₂H₃₉O₃P M.Wt 382.5

Solubility DMF: 20 mg/ml, Ethanol: 10 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

BMP-22 is an inhibitor of autotaxin (IC₅₀ = 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.

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

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