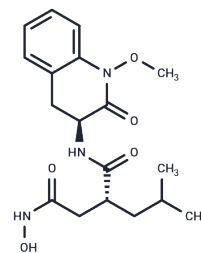


OPB-3206

Chemical Properties

CAS No. : 166245-54-1
 Formula: C₁₈H₂₅N₃O₅
 Molecular Weight: 363.41
 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	OPB-3206 is a selective inhibitor of matrix metalloproteinases (MMPs). It inhibits stromelysin, collagenase, gelatinase A (MMP-2), and gelatinase B (MMP-9) with IC ₅₀ values of 7×10 ⁻⁷ M, 5×10 ⁻⁶ M, 5×10 ⁻⁷ M, and 2×10 ⁻⁶ M, respectively. OPB-3206 reversibly binds to the zinc-binding site of MMPs, blocking the activation of MMP-9 and reducing the degradation of the extracellular matrix, thereby inhibiting tumor lung metastasis. OPB-3206 shows potential for research in osteosarcoma lung metastasis.
Targets(IC ₅₀)	MMP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7517 mL	13.7586 mL	27.5171 mL
5 mM	0.5503 mL	2.7517 mL	5.5034 mL
10 mM	0.2752 mL	1.3759 mL	2.7517 mL
50 mM	0.055 mL	0.2752 mL	0.5503 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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