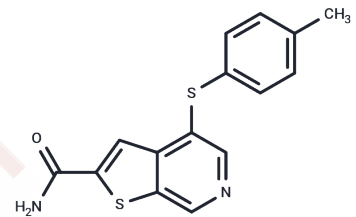


A-205804

Chemical Properties

CAS No. : 251992-66-2
 Formula: C₁₅H₁₂N₂O₂S
 Molecular Weight: 300.4
 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	A-205804 is a specific and effective inhibitor of E-selectin(IC ₅₀ =20 nM) and ICAM-1 (IC ₅₀ =25 nM) expression.
Targets(IC ₅₀)	Integrin
In vivo	In human endothelial cells, A-205804 selectively inhibited ICAM-1 (IC ₅₀ = 10 nM) and E-selectin (IC ₅₀ = 20 nM).

Solubility Information

Solubility	Ethanol: 3.01 mg/mL (10.02 mM),Sonication is recommended. DMSO: 30 mg/mL (99.87 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	3.3289 mL	16.6445 mL	33.2889 mL
5 mM	0.6658 mL	3.3289 mL	6.6578 mL
10 mM	0.3329 mL	1.6644 mL	3.3289 mL
50 mM	0.0666 mL	0.3329 mL	0.6658 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

Zhu GD, et al. J Med Chem, 2001, 44(21), 3469-3487.

Liu Y, Zhao X, Ding J, et al. Evidence of Accumulated Endothelial Progenitor Cells in the Lungs of Rats with Pulmonary Arterial Hypertension by ⁸⁹Zr-oxine PET Imaging. Molecular Therapy-Methods & Clinical Development. 2020

Stewart AO, J Med Chem, 2001, 44(6), 988-1002.

Liu Y, Zhao X, Ding J, et al. Evidence of Accumulated Endothelial Progenitor Cells in the Lungs of Rats with Pulmonary Arterial Hypertension by ⁸⁹Zr-oxine PET Imaging. Molecular Therapy-Methods & Clinical Development. 2020.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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