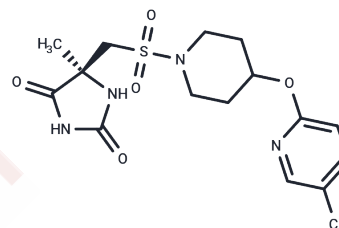


AZD-1236

Chemical Properties

CAS No. : 459814-89-2
 Formula: C₁₅H₁₉ClN₄O₅
 Molecular Weight: 402.85
 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 | AZD1236 is a potent and reversible inhibitor of human MMP-9 and MMP-12 (IC ₅₀ = 4.5 and 6.1 nM, respectively), with >10-fold selectivity to MMP-2 and MMP-13 and >350-fold selectivity to other members of the enzyme family. AZD1236 activity is approximately 20 to 50-fold lower at the rat, mouse, and guinea pig orthologues. In acute models of lung injury, AZD1236 inhibited the haemorrhage and inflammation induced by instillation of human MMP-12 into rat lungs by ~80% at 0.81 mg/kg, and also abolished macrophage infiltration into BAL fluid induced by tobacco smoke inhalation in the mouse. |
| Targets(IC ₅₀) | MMP, Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.4823 mL | 12.4116 mL | 24.8231 mL |
| 5 mM | 0.4965 mL | 2.4823 mL | 4.9646 mL |
| 10 mM | 0.2482 mL | 1.2412 mL | 2.4823 mL |
| 50 mM | 0.0496 mL | 0.2482 mL | 0.4965 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

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481