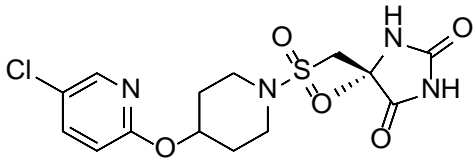


Product data sheet



MedKoo Cat#: 573391 Name: AZD-1236 CAS: 459814-89-2 (free base) Chemical Formula: C ₁₅ H ₁₉ ClN ₄ O ₅ S Exact Mass: 402.0765 Molecular Weight: 402.85	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

1. Product description:

AZD1236 is a potent and reversible inhibitor of human MMP-9 and MMP-12 (IC₅₀ = 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.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
TBD	TBD	TBD

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.48 mL	12.41 mL	24.82 mL
5 mM	0.50 mL	2.48 mL	4.96 mL
10 mM	0.25 mL	1.24 mL	2.48 mL
50 mM	0.05 mL	0.25 mL	0.50 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of "Calculator"

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

AZD1236 is a potent and reversible inhibitor of human MMP-9 and MMP-12 (IC₅₀ = 4.5 and 6.1 nM, respectively).

In vitro activity

TBD

In vivo activity

TBD

Product data sheet



Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.