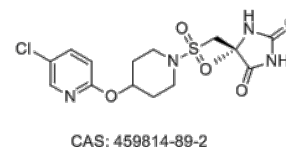


Product Name : AZD1236
Cat. No. : PC-20539
CAS No. : 459814-89-2
Molecular Formula : C₁₅H₁₉ClN₄O₅S
Molecular Weight : 402.85
Target : Matrix Metalloproteinase (MMP)
Solubility : 10 mM in DMSO



Biological Activity

AZD1236 (AZD-1236) is a potent, selective **MMP-9** and **MMP-12** inhibitor with IC₅₀ of 4.5 and 6.1 nM respectively, >10-fold selectivity to MMP-2 and MMP-13 and >350-fold selectivity to other MMPs.

AZD1236 activity is approximately 20 to 50-fold lower at the rat, mouse, and guinea pig orthologues.

AZD1236 inhibited the haemorrhage and inflammation induced by instillation of human MMP-12 into rat lungs by ~80% at 0.81mg/kg in acute models of lung injury.

AZD1236 also abolished macrophage infiltration into BAL fluid induced by tobacco smoke inhalation in the mouse.

References

Magnussen H, et al. Pulm Pharmacol Ther. 2011 Oct;24(5):563-70.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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