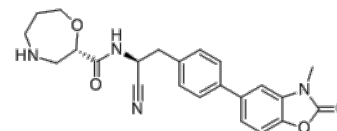


Product Name : AZD7986
Cat. No. : PC-60297
CAS No. : 1802148-05-5
Molecular Formula : C₂₃H₂₄N₄O₄
Molecular Weight : 420.469
Target : Cathepsin
Solubility : 10 mM in DMSO



Biological Activity

AZD7986 (INS-1007, Brensocatib) is a highly potent, reversible, and selective **DPP1** (cathepsin C, **CatC**) inhibitor with enzyme and cell pIC₅₀ of 8.4.

AZD7986 (INS-1007, Brensocatib) shows excellent selectivity over other cathepsins, including cathepsins S, L, B, K, D, E, Z, H, and G.

AZD7986 (INS-1007, Brensocatib) inhibits activation of all three NSPs (NE, Pr3, and CatG) with pIC₅₀ of 7 in human primary bone marrow-derived CD34+ neutrophil progenitor cells.

AZD7986 (INS-1007, Brensocatib) exhibits suitable human PK properties and is a clinical candidate for COPD.

References

Doyle K, et al. *J Med Chem*. 2016 Oct 27;59(20):9457-9472.

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

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