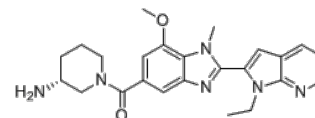


Product Name : GSK-199
Cat. No. : PC-62216
CAS No. : 1549810-81-2
Molecular Formula : C₂₄H₂₈N₆O₂
Molecular Weight : 432.528
Target : Protein Arginine Deiminase (PAD)
Solubility : 10 mM in DMSO



Biological Activity

GSK-199 is a potent, highly selective and reversible protein arginine deiminase **PAD4** inhibitor with IC₅₀ of 250 nM in FP binding assay (0.2 mM Ca), 200 nM in PAD4 NH₃ release inhibition assay.

GSK-199 shows high specificity for PAD4 over PAD1/2/3/6.

GSK-199 affects cellular citrullination and mimic the deficiency in NET production in mice.

GSK-199 significantly decreases in complement C3 deposition in both synovium and cartilage in mice.

References

Lewis HD, et al. *Nat Chem Biol.* 2015 Mar;11(3):189-91.

Willis VC, et al. *Clin Exp Immunol.* 2017 May;188(2):263-274.

Slade DJ, et al. *ACS Chem Biol.* 2015 Apr 17;10(4):1043-53.

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

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