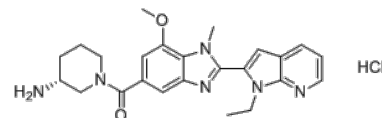


Product Name : GSK-199 hydrochloride
Cat. No. : PC-62217
CAS No. : 1549811-53-1
Molecular Formula : C₂₄H₂₉ClN₆O₂
Molecular Weight : 468.986
Target : Protein Arginine Deiminase (PAD)
Solubility : 10 mM in DMSO



4. Selina Pasquero, et al. **Antiviral Res.** 2022 Mar 11;200:105278.

Biological Activity

GSK-199 hydrochloride 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.

GSK199 also inhibits human beta-coronaviruse HCoV-OC43 replication.

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.

