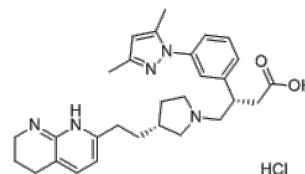


Product Name : GSK3008348 hydrochloride
Cat. No. : PC-60070
CAS No. : 1629249-40-6
Molecular Formula : C₂₉H₃₈ClN₅O₂
Molecular Weight : 524.106
Target : Integrin
Solubility : 10 mM in DMSO



1. John AE, et al. **Nat Commun.** 2020 Sep 16;11(1):4659.

Biological Activity

GSK3008348 hydrochloride is a potent, selective, RGD-mimetic **integrin $\alpha\beta6$** antagonist with KD value of 9.5 pM and 4.8 pM for $\alpha\beta6$ in normal and IPF human lung tissue membrane preparations.

GSK3008348 exhibits a high affinity and a minimum of 26-fold selectivity for the $\alpha\beta6$ integrin over the other RGD integrin family members.

GSK3008348 induces $\alpha\beta6$ internalization and degradation in human lung epithelial cells.

GSK3008348 engages $\alpha\beta6$, induces prolonged inhibition of TGF β signaling and reduces lung collagen deposition and serum C3M, a marker of IPF disease progression, in murine bleomycin-induced lung fibrosis model.

References

