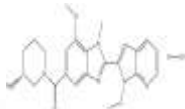


**PRODUCT: GSK-199 hydrochloride****ALTERNATE NAME:** (R)-(3-Aminopiperidin-1-yl)(2-(1-ethyl-1H-pyrrolo[2,3-b]pyridin-2-yl)-7-methoxy-1-methyl-1H-benzo[d]imidazol-5-yl)methanone hydrochloride**CATALOG #:** B1037-500, 1000**AMOUNT:** 500 µg, 1 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>24</sub>H<sub>29</sub>ClN<sub>6</sub>O<sub>2</sub>**MOLECULAR WEIGHT:** 468.98**CAS NUMBER:** 1549811-53-1**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO (~ 30 mg/ml)**PURITY:** ≥98%**STORAGE:** Store at -20°C. Protect from air and moisture**DESCRIPTION:** GSK-199 is a potent, reversible inhibitor of PAD4 (IC<sub>50</sub> = 200 nM). It binds to the low-calcium form of the enzyme and is selective for PAD4 over PAD1-3. It is less potent than the related PAD4 inhibitor GSK484 (IC<sub>50</sub> = 50 nM). GSK-199 can inhibit the citrullination of PAD4 target proteins and diminish the formation of neutrophil extracellular traps in mouse neutrophils.**REFERENCES:** Jones, J.E., *et al.* (2009). *Curr. Opin. Drug Discov. Devel.* **12**, 616-627; Lewis, H.D., *et al.* (2015). *Nat. Chem. Biol.* **11**, 189-191.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**GSK-121 trifluoroacetate (**B1034**)GSK-484 hydrochloride (**B1035**)GSK-106 hydrochloride (**B1036**)GSK-199 hydrochloride (**B1037**)**USAGE:** *FOR RESEARCH CH USE ONLY! Not to be used in humans*