

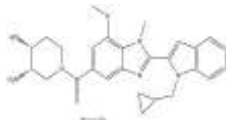
PRODUCT: GSK-484 hydrochloride

ALTERNATE NAME: ((3S,4R)-3-Amino-4-hydroxypiperidin-1-yl)(2-(1-(cyclopropylmethyl)-1H-indol-2-yl)-7-methoxy-1-methyl-1H-benzo[d]imidazol-5-yl)methanone hydrochloride

CATALOG #: B1035-500, 1000

AMOUNT: 500 µg, 1 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₃₂ClN₅O₃

MOLECULAR WEIGHT: 510.03

CAS NUMBER: 1652591-81-5

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (~30 mg/ml)

PURITY: ≥98%

STORAGE: Store at -20°C. Protect from air and moisture

DESCRIPTION: GSK-484 is a potent and reversible inhibitor of PAD4 (Protein Arginine Deiminase 4) (IC₅₀ = 50 nM) that binds to the low-calcium form of the enzyme. It is selective for PAD4 over PAD1-3. GSK-484 blocks the citrullination of PAD4 target proteins in human neutrophils and inhibits the formation of neutrophil extracellular traps in both mouse and human 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*