

GSK484 hydrochloride, PAD4 inhibitor

Catalog	Unit
TBI4043-5MG	5 mg
TBI4043-25MG	25 mg

Product Details

Formal Name: [(3S,4R)-3-Amino-4-hydroxypiperidin-1-yl]-[2-[1-(cyclopropylmethyl)indol-2-yl]-7-methoxy-1-methylbenzimidazol-5-yl]methanone, hydrochloride

Molecular Formula: C₂₇H₃₁N₅O₃·HCl

Formula Weight: 510.0

CAS Number: 1652591-81-5

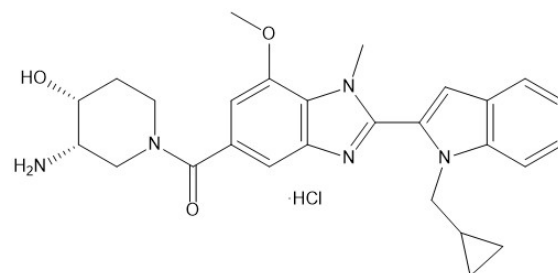
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (25 mg/ml); water (5 mg/ml with warming)

Storage: -20°C

Stability: ≥ 2 years.



Applications

PAD4 inhibitor

Functions

Potent (IC₅₀ = 50 nM) and selective inhibitor of protein arginine deiminase (PAD4). It blocks neutrophil extracellular trap formation in human neutrophils. Abrogates thrombus formation on heparin-induced thrombocytopenia/thrombosis. It protected against reperfusion injury in both stroke and cardiac models. GSK484 attenuated tumor cell stemness in esophageal squamous cell carcinoma. It prevented surgery-induced tumor recurrence via inhibition of neutrophil extracellular trap-induced reprogramming of cancer cell metabolism.

Application Procedures

First dissolved in Soluble in DMSO (25 mg/ml) or water (5 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or water may be stored at -20°C for up to 1 month.

For research use only.