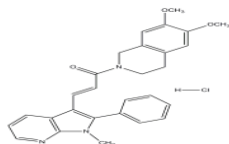


PRODUCT: Smad3 Inhibitor, SIS3**ALTERNATE NAME:** (2E)-1-(6,7-Dimethoxy-3,4-dihydro-1H-isoquinolin-2-yl)-3-(1-methyl-2-phenyl-1H-pyrrolo[2,3-b]pyridin-3-yl)-propenone hydrochloride**CATALOG #:** 2227-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₈H₂₇N₃O₃ · HCl**MOLECULAR WEIGHT:** 489.99**CAS NUMBER:** 521984-48-5**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** At -20°C. Protect from light and moisture**DESCRIPTION:** A potent and selective inhibitor of Smad3 function. SIS3 selectively inhibits TGF-β1/ALK5-induced Smad3 phosphorylation. Also inhibits the TGF-β1 effect on type I procollagen expression at the transcriptional levels via the Smad3-binding site.**REFERENCE:** Jinnin, M., *et al.* (2006). *Mol. Pharmacol.* **69**, 597-607.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**