

Product Name : Revaprazan hydrochloride

Synonyms : SB-641257; YH-1885

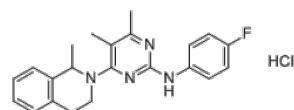
Cat No. : M12683

CAS Number : 178307-42-1

Molecular Formula : C₂₂H₂₄ClFN₄

Formula Weight : 398.91

Chemical Name : N-(4-fluorophenyl)-4,5-dimethyl-6-(1-methyl-3,4-dihydro-1H-isoquinolin-2-yl)pyrimidin-2-amine hydrochloride



Description : Revaprazan (SB-641257; YH-1885) potent potassium-competitive acid blocker (P-CAB) that inhibits H⁺, K⁺-ATPase in a reversible and K⁺-competitive manner; reduces gastric acid secretion, also exerts anti-inflammatory action against Helicobacter pylori-induced COX-2 expression by inactivating Akt signaling. Ulcer Approved

Pathway : Membrane Transporter/Ion Channel

Target : Proton Pump

Receptor : H⁺/K⁺-ATPase

Solubility : DMSO: 10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)

SMILES : Cl.CC1N(CCC2CCCCC12)C3NC(NC4CC(F)CC4)NC(C)C3C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Li H, et al. Drug Metab Dispos. 2001 Jan;29(1):54-9. | 2. Lee JS, et al. J Clin Biochem Nutr. 2012 Sep;51(2):77-83. | 3. Inatomi N, et al. Pharmacol Ther. 2016 Dec;168:12-22.