PRODUCT: SBE13 hydrochloride

ALTERNATE NAME: \( N\{4\{6\text{-Chloro-3-pyridinyl}\text{-methoxy}\}3\text{-methoxyphenyl}\text{-methyl}\}3,4\text{-dimethoxybenzeneethanamine hydrochloride} \)

CATALOG #: 2847-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE: 

MOLECULAR FORMULA: \( C_{24}H_{27}ClN_2O_4 \cdot \text{HCl} \)

MOLECULAR WEIGHT: 479.4

CAS NUMBER: 1052532-15-6

APPEARANCE: White solid

SOLUBILITY: DMSO (>40 mg/ml) or \( H_2O \) (~4 mg/ml with slight warming)

PURITY: \( \geq 98\% \) by HPLC

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

DESCRIPTION: SBE13 HCl is a potent and selective PLK1 (Polo-like kinase 1) inhibitor (\( IC_{50} = 200 \text{ pM} \)). Displays activity against PLK2 and PLK3 at higher concentrations (\( IC_{50} \) values of 66 \( \mu \text{M} \) and 875 nM, respectively). Has no effect on Aurora kinase A.


RELATED PRODUCTS:
- BI-6727 (Cat. No. 2222-1,5)
- BI-2536 (Cat. No. 2370-5, 25)
- GSK461364 (Cat. No. 2287-5, 25)

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