

Alpelisib, PI3K α inhibitor

Catalog	Unit
TBI4167-5MG	5 mg
TBI4167-25MG	25 mg

Product Details

Formal Name: (2S)-1-N-[4-Methyl-5-[2-(1,1,1-trifluoro-2-methylpropan-2-yl)pyridine-4-yl]-1,3-thiazol-2-yl]pyrrolidine-1,2-dicarboxamide

Alternate Names: NVP-BYL719; BYL719

Molecular Formula: C₁₉H₂₂F₃N₅O₂S

Formula Weight: 441.5

CAS Number: 1217486-61-7

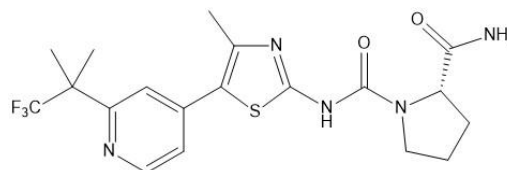
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: -20°C

Stability: \geq 2 years.



Applications

PI3K α inhibitor

Functions

Potent and selective (IC₅₀s = 7.4 nM PI3K α ; 2.2 μ M PI3K β ; 1.2 μ M PI3K δ ; 50-fold selectivity against 442 tested kinases) PI3K α inhibitor. Approved for use in the treatment of HR(+), HER2(-), PIK3CA-mutated breast cancer. Has been used in combination with various chemotherapeutics to treat ovarian, colorectal, kidney, bladder, and head and neck cancers.

Application Procedures

First dissolved in Soluble in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.