

Catalog	Unit
TBI5103-5MG	5 mg
TBI5103-25MG	25 mg

Product Details

Formal Name: 3-[(4-Chlorophenyl)methoxy]-N-[(1S)-1-phenylethyl]-2-thiophenecarboxamide

Molecular Formula: C₂₀H₁₈ClNO₂S

Formula Weight: 371.90

CAS Number: 1203680-76-5

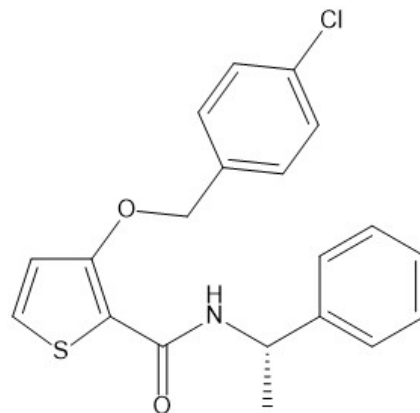
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 40 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

SHIP2 inhibitor

Functions

A potent and selective inhibitor of the intracellular phosphatase SHIP2 (SH2 domain-containing inositol 5'-phosphatase 2), IC₅₀ = 0.62 μM. Displays ca. 30-fold selectivity for SHIP2 over SHIP. Activates insulin signaling via the Akt pathway in liver and lowers glucose levels in diabetic mice. Enhances BDNF expression in cultured cortical neurons. Ameliorates ROS generation but aggravates apoptosis in CD2AP-deficient mouse podocytes.

Application Procedures

First dissolved in DMSO (up to at least 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.