

Catalog	Unit
TBI4831-10MG	10 mg
TBI4831-50MG	50 mg

Product Details

Formal Name: (E)-3-(6-Pyridin-2-yl)-2-cyano-N-[(1S)-1-phenylethyl]prop-2-enamide

Molecular Formula: C₁₈H₁₄BrN₃O

Formula Weight: 356.22

CAS Number: 857064-38-1

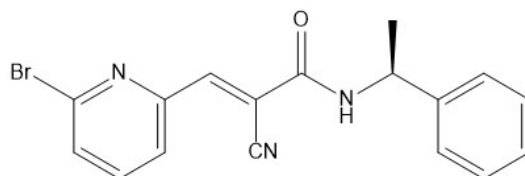
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 1 year.



Applications

JAK/STAT3 inhibitor

Functions

WP1066 (857064-38-1) is an inhibitor of the JAK2/STAT3 pathway as well as STAT5 and AKT. It downregulated Bcl-XL, Mcl-1, and c-myc while activating Bax and inducing apoptosis. Active against human malignant glioma U87-mg (IC₅₀ = 5.6 μM) and U373-mg (IC₅₀ = 3.7 μM) cells. Enhances T-cell cytotoxicity via inhibition of regulatory T-cells. WP1066 abrogated PD-L1 expression in lymphoma cell lines.

Application Procedures

First dissolved in DMSO (up to at least 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.