
| Catalog | Unit |
|--------------|-------|
| TBI5640-5MG | 5 mg |
| TBI5640-25MG | 25 mg |

Product Details

Formal Name: 4-(5-Methyl-4-(tosylmethyl)oxazol-2-yl)-N-(pyridin-3-ylmethyl)benzamide

Molecular Formula: C₂₅H₂₃N₃O₄S

Formula Weight: 461.50

CAS Number: 894187-61-2

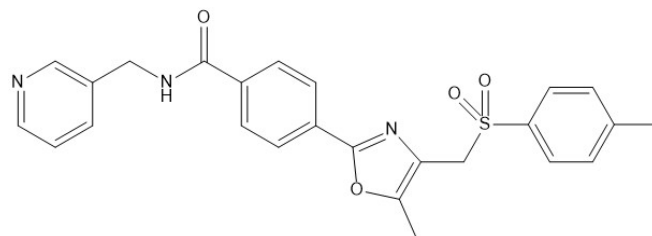
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (47 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

NAMPT inhibitor

Functions

Potent and selective next generation inhibitor of nicotinamide phosphoribosyl transferase (NAMPT), inhibiting NAD⁺ biosynthesis from nicotinamide. It reduces the viability of most B-ALL cells with high potency (low nM range), eliminates leukemia stem cells from mouse bone marrow and induces regression of ALL xenografts. It induces apoptosis and reduced neuroblastoma stem cell neurosphere formation in high-risk neuroblastoma cell lines. STF-118804 reduces the growth of pancreatic ductal adenocarcinoma cells.

Application Procedures

First dissolved in DMSO (47 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.