

SMI-4a, PIM1 inhibitor

Catalog	Unit
TBI1359-5MG	5 mg
TBI1359-25MG	25 mg

Product Details

Formal Name: 5-(3-Trifluoromethylbenzylidene)thiazolidine

Molecular Formula: C₁₁H₆F₃NO₂S

Formula Weight: 273.23

CAS Number: 438190-29-5

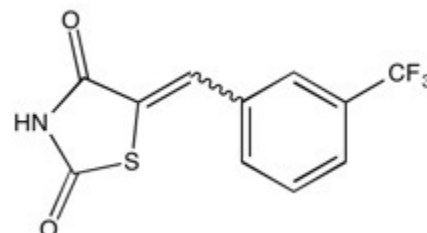
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 100 mg/ml) or in Ethanol (up to 40 mg/ml with warming).

Storage: -20°C

Stability: ≥ 1 year.



Applications

PIM1 inhibitor

Functions

A selective, ATP-competitive inhibitor of the Pim protein kinases (IC₅₀ = 24 and 100 nM for Pim-1 and Pim-2 respectively). Selective over a panel of ~50 other kinases. Induces cell cycle arrest in leukemia and prostate cancer cells. Blocks the growth of a wide range of myeloid and lymphoid cell lines with precursor T-cell lymphoblastic leukemia/lymphoma (pre-T-LBL/T-ALL) being highly sensitive. A useful tool for exploring the involvement of Pim in cellular signaling. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 100 mg/ml) or in Ethanol (up to 40 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 2 months.

For research use only.