

P0108, PRL-3 phosphatase inhibitor

Catalog	Unit
TBI3235-5MG	5 mg
TBI3235-25MG	25 mg

Product Details

Formal Name: 5-[[5-Bromo-2-[(2-bromophenyl)methoxy]phenyl]methylene]-2-thioxo-4-thiazolidinone

Alternate Names: PRL-3 inhibitor I

Molecular Formula: C₁₇H₁₁Br₂NO₂S₂

Formula Weight: 485.20

CAS Number: 893449-38-2

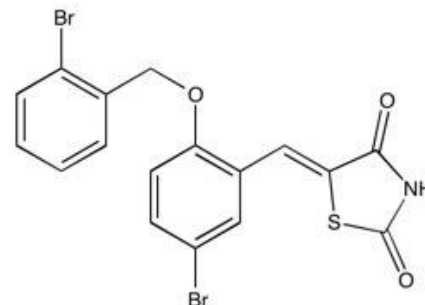
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO up to 25 mg/ml

Storage: -20°C

Stability: ≥ 1 year.



Applications

PRL-3 phosphatase inhibitor

Functions

Potent inhibitor of phosphatase of regenerating liver-3 (PRL-3), IC₅₀=0.9 μM. Reduces the invasive properties of mouse melanoma B16F10 cells in a cellular model. Sensitizes PRL-3-expressing cancer cells to chemotherapeutics. Inhibits dephosphorylation of tyrosine-783 of integrin β1 in BGC823 and SW480 cells.

Application Procedures

First dissolved in DMSO up to 25 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.