

Catalog	Unit
TBI1562-5MG	5 mg
TBI1562-25MG	25 mg

Product Details

Formal Name: 1-((4-Methoxyanilino)methyl)-2-naphthol

Molecular Formula: C₁₈H₁₇NO₂

Formula Weight: 279.33

CAS Number: 6638-24-0

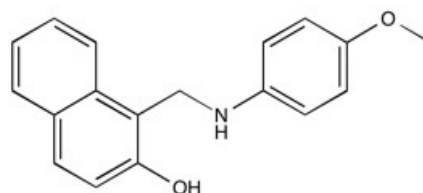
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 30 mg/ml) or in Ethanol (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

PHLP phosphatase inhibitor / Laminin inhibitor

Functions

A potent inhibitor of the Leucine-rich repeat protein phosphatase (PHLPP) an enzyme which is a negative regulator of Akt and PKC (IC₅₀=4 μM). Increases AKT signaling in cells and prevents apoptosis. Also inhibits the 67 kDa laminin receptor (LR) interaction with laminin (LM) and selectively blocks LR-293 cell adhesion to LM IC₅₀=19.35 μM impairing cell migration and invasion. Affects 37/67 kDa LR cell surface localization and interaction with cellular prion protein.

Application Procedures

First dissolved in DMSO (30 mg/ml) or in Ethanol (10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

For research use only.