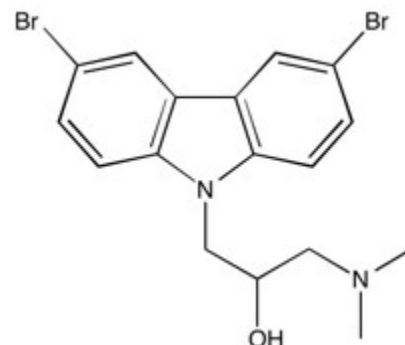


Wiskostatin, N-WASP inhibitor

Catalog	Unit
TBI1353-5MG	5 mg
TBI1353-25MG	25 mg

Product Details

Formal Name: 1-(3,6-Dibromocarbazol-9-yl)-3-dimethylaminopropan-2-ol
Molecular Formula: C₁₇H₁₈Br₂N₂O
Formula Weight: 426.15
CAS Number: 253449-04-6
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 30 mg/ml), or in Ethanol (up to 10 mg/ml).
Storage: RT
Stability: ≥ 2 years.



Applications

N-WASP inhibitor

Functions

A selective, reversible inhibitor of neural Wiskott-Aldrich syndrome protein (N-WASP) activity. Binds to the regulatory domain of N-WASP and inhibits activation of Arp2/3 complex by forcing N-WASP into an inactive conformation. Inhibits PIP2-induced actin polymerization (EC₅₀=4 μM). Perturbs agrin-elicited acetylcholine receptor clustering. Inhibits the formation of dendritic spines and synapses in hippocampal neurons.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml), or in Ethanol (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.