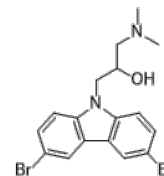


Product Name : Wiskostatin
Cat. No. : PC-23091
CAS No. : 253449-04-6
Molecular Formula : C₁₇H₁₈Br₂N₂O
Molecular Weight : 426.15
Target : Arp2/3 complex
Solubility : 10 mM in DMSO



Biological Activity

Wiskostatin is a specific, cell-permeable chemical inhibitor of the neural Wiskott-Aldrich syndrome protein (N-WASP), inhibits N-WASP-mediated actin polymerization.

Wiskostatin interacts with a cleft in the regulatory GTPase-binding domain (GBD) of WASP in the solution structure of the complex.

Wiskostatin blocks N-WASP activity by stabilizing its autoinhibited conformation, thus leading to a significant decrease in the rate of actin polymerization.

References

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Guerriero CJ, et al. Am J Physiol Cell Physiol. 2007 Apr;292(4):C1562-6.

Ivanov AI, et al. Mol Biol Cell. 2005 Jun;16(6):2636-50.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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