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## Product Datasheet

### Wiskostatin, CAS [[253449-04-6]] FBM-10-1353

Article Name	Wiskostatin, CAS [[253449-04-6]]
Biozol Catalog Number	FBM-10-1353
Supplier Catalog Number	10-1353
Alternative Catalog Number	FBM-10-1353-5MG, FBM-10-1353-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	N-WASP inhibitor...
Molecular Weight	426.15
Purity	98% by TLC [9:1 CH <sub>2</sub> Cl <sub>2</sub> /CH <sub>3</sub> OH R <sub>f</sub> = 0.16] NMR (Conforms)
Form	White solid
CAS Number	[253449-04-6]
Formula	C <sub>17</sub> H <sub>18</sub> Br <sub>2</sub> N <sub>2</sub> O
Application Notes	A selective, reversible inhibitor of neural Wiskott-Aldrich syndrome protein (N-WASP) activity <sup>1</sup> . Binds to the regulatory domain of N-WASP and inhibits activation of Arp2/3 complex by forcing N-WASP into an inactive conformation <sup>2</sup> . Inhibits PIP <sub>2</sub> -induced actin polymerization (EC <sub>50</sub> =4 μM). Perturbs agrin-elicited acetylcholine receptor clustering <sup>3</sup> . Inhibits the formation of dendritic spines and synapses in hippocampal neurons <sup>4</sup> .