Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@m2stage.hellobio.com

DATASHEET

Wiskostatin

Product overview

Name	Wiskostatin
Cat No	HB0658
Biological action	Inhibitor
Purity	>99%
Description	Potent, selective N-WASP inhibitor

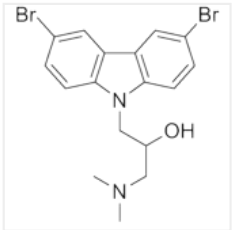
Biological Data

Biological description	Potent and selective neural Wiskott-Aldrich syndrome protein (N-WASP) inhibitor that interacts with GTPase- binding domain. Inhibits Arp2/3 complex activation. Decreases cellular ATP levels and inhibits cytokinesis but not mitosis. A carbazole derivative.

Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in DMSO (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	3,6-Dibromo-*α*-[(dimethylamino)methyl]-9*H*-cabazole-9-ethanol
Molecular Weight	426.15
Chemical structure	
Molecular Formula	$C_{17}H_{18}Br_2N_2O$
CAS Number	253449-04-6
PubChem identifier	2775510
SMILES	BrC(C=C3)=CC1=C3N(CC(O)CN(C)C)C2=C1C=C(Br)C=C2
InChiKey	XUBJEDZHBUPBKL-UHFFFAOYSA-N

References

Chemical inhibition of N-WASP by stabilization of a native autoinhibited conformation.

Peterson JR *et al* (2004) Nat Struct Mol Biol 11(8)
PubMedID 15235593

Inhibition of cytokinesis by wiskostatin does not rely on N-WASP/Arp2/3 complex pathway.

Bompard G *et al* (2008) BMC Cell Biol 9
PubMedID 18667055

N-WASP inhibitor wiskostatin nonselectively perturbs membrane transport by decreasing cellular ATP levels.

Guerriero CJ *et al* (2007) Am J Physiol Cell Physiol 292(4)
PubMedID 17092993