

Cellular Trafficking

Endosidin 2

Inhibits exocytosis and endosomal recycling in both plant and human cells *via* binding to EXO70 subunit of the exocyst complex.¹

Product No: 10-1583 5 mg/ 25 mg/

Dynasore

Dynasore is a cell permeable small molecule that inhibits the GTPase activity of dynamin1, dynamin2 and the mitochondrial dynamin Drp1.²

Product No: 10-1427 5 mg/ 25 mg/

Brefeldin A

Brefeldin A is an inhibitor of GBF1, a guanine nucleotide exchange factor.³

Product No: 10-1071 5 mg/ 25 mg/

Importazole

Importazole specifically blocks importin-β mediated nuclear without disrupting transportin-mediated nuclear import or CRM1-mediated nuclear export.⁴

Product No: 10-1412 5 mg/ 25 mg/

MitoBlock-6

MitoBlock-6 is a mitochondrial protein import blocker that inhibits Erv1 oxidase activity thereby facilitating dissection of the disulfide relay system in yeast and vertebrate mitochondria.⁵

Product No: 10-1472 5 mg/ 25 mg/

Leptomycin B

A potent inhibitor of protein nuclear export which acts *via* binding to and inhibiting CRM1/exportin-1.⁶

Product No: 10-2084 200 µg/ 1 mg/

EGA

A novel selective inhibitor of endosomal trafficking. Blocks entry of lethal toxin and other acid-dependent bacterial toxins and viruses.⁷

Product No: 10-3689 5 mg/ 25 mg/

Selinexor

A potent inhibitor of the nuclear export receptor, chromosome region maintenance 1 (CRM1; Exportin-1 (XPO1)).⁸

Product No: 10-4011 5 mg/ 25 mg/

FLI-06

Notch pathway inhibitor that disrupts the Golgi apparatus in a manner distinct from that of brefeldin A.⁹

Product No: 10-1504 5 mg/ 25 mg/

Exo2

Disrupts Golgi apparatus and stimulates Golgi-ER fusion.¹⁰ Inhibits anterograde transport and disrupts morphology of trans-Golgi network (TGN) but does not induce tubulation and merging of TGN and endosomal compartments.¹¹

Product No: 10-1594 5 mg/ 25 mg/

MiTMAB

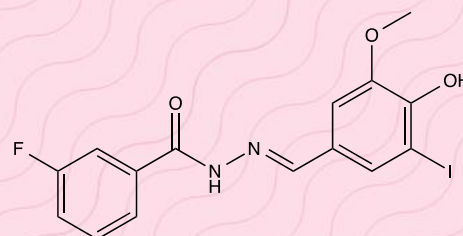
Dynamin/II inhibitor targeting the dynamin-phospholipid interaction. Rapidly and reversibly inhibits multiple forms of endocytosis with no cellular damage.¹²

Product No: 10-3051 10 mg/ 50 mg/

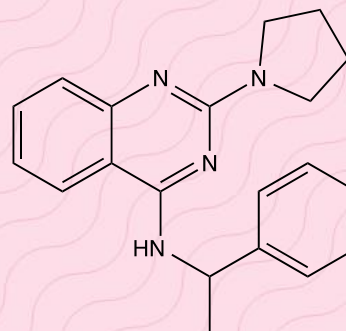
PITSTOP2

Inhibits clathrin-mediated endocytosis *via* blockade of endocytic ligand association with the clathrin terminal domain leading to clathrin coat assemble inhibition.¹³

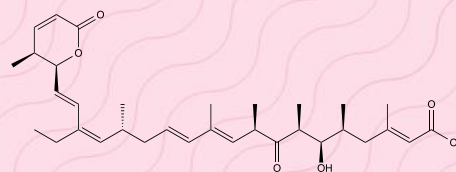
Product No: 10-4195 5 mg / 25 mg/



Endosidin 2



Importazole



Leptomycin B

REFERENCES

1. Zhang *et al.* (2012), PNAS **113** E41
2. Newton *et al.* (2006) PNAS **103** 17955
3. Niu *et al.* (2005) Mol. Biol. Cell; **16** 1213
4. Soderholm *et al.* (2011) ACS Chem. Biol. **6** 700
5. Dabir *et al.* (2013) Dev. Cell **25** 81
6. Fukuda *et al.* (1997), Nature **390** 308
7. Gillespie *et al.* (2013), PNAS **110** E4904
8. Etchin *et al.* (2013), Br. J. Haematol. **161** 117
9. Kramer *et al.* (2013), Nat. Chem. Biol. **9** 731
10. Feng *et al.* (2004), EMBO Rep. **5** 596
11. Spooner *et al.* (2008), Biochem. J. **414** 471
12. Quan *et al.* (2007), Mol. Pharmacol. **72** 1425
13. Von Kleist *et al.* (2011), Cell **146** P471