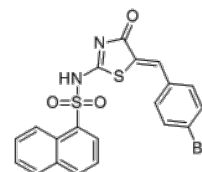


Product Name : Pitstop 2
Cat. No. : PC-60190
CAS No. : 1419093-54-1
Molecular Formula : C₂₀H₁₃BrN₂O₃S₂
Molecular Weight : 473.36
Target : Clathrin
Solubility : 10 mM in DMSO



Biological Activity

Pitstop 2 is a small molecule inhibitor of clathrin terminal domain and inhibits **clathrin-mediated endocytosis**.

Pitstop 2 inhibits endocytosis of transferrin receptor, a CDE cargo protein, but not affect endocytosis of shiga toxin.

Pitstop 2 traps HeLa cells in metaphase through loss of mitotic spindle integrity and activation of the spindle assembly checkpoint.

Pitstop 2 is a useful tool for investigating clathrin spindle dynamics.

References

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Smith CM, et al. *Mol Cancer*. 2013 Jan 17;12:4.

Liashkovich I, et al. *Sci Rep*. 2015 May 6;5:9994.

Willox AK, et al. *Biol Open*. 2014 Apr 4;3(5):326-31.

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

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