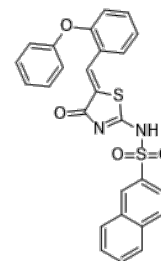


Product Name : Pitstop 2d
Cat. No. : PC-24288
CAS No. :
Molecular Formula : C₂₆H₁₈N₂O₄S₂
Molecular Weight : 486.56
Target : Clathrin
Solubility : 10 mM in DMSO



Biological Activity

Pitstops 2d is a next-generation small molecule inhibitor of **clathrin** function (IC₅₀=13 uM, inhibition of transferrin), inhibits **clathrin-mediated endocytosis**.

Pitstops 2d does not affect the nuclear permeability barrier and exhibits low cytotoxicity.

Pitstops 2d displaces amphipysin from the clathrin TD in vitro with IC₅₀ of 1.7 uM.

Pitstops 2d inhibits VSV entry into Vero-E6 cells.

Pitstops 2d does not impair clathrin-independent endocytosis of dextran.

Pitstops 2d inhibits early stages of CME by displacing epsins from clathrin.

References

Horatscheck A, et al. **Structure**. 2025 Mar 7:S0969-2126(25)00064-4.

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

E-mail: tech@probechem.com