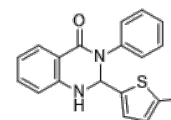


Product Name : Retro-2 cycl
Cat. No. : PC-27432
CAS No. : 1429192-00-6
Molecular Formula : C₁₉H₁₆N₂OS
Molecular Weight : 320.41
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Retro-2(cycl) (Retro-2 cycl) is a small molecule inhibitor of host retrograde trafficking, inhibits ricin and Shiga-like toxins (SLTs), inhibits infection by JCPyV, BKPyV, and simian virus 40 (SV40).

Retro-2(cycl) inhibits retrograde transport of polyomaviruses to the endoplasmic reticulum.

Retro-2(cycl) likely inhibits polyomaviruses in a way similar to its ricin and SLT inhibition, suggesting an overlap in the cellular host factors used by bacterial toxins and polyomaviruses.

Retro-2(cycl) protects cells from infection with JCPyV and BKPyV by inhibiting intracellular viral transport.

Retro-2(cycl) significantly reduced body weight loss and improved clinical scores and survival rates for O104:H4-infected mice.

References

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Nelson CD, et al. mBio. 2013 Nov 12;4(6):e00729-13.

Yu S, et al. Sci Rep. 2013 Dec 2;3:3397.

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

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