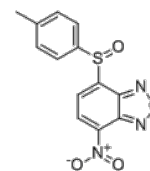


Product Name : MS.001
Cat. No. : PC-38239
CAS No. : 53619-67-3
Molecular Formula : C₁₃H₉N₃O₄S
Molecular Weight : 303.292
Target : E3 Ubiquitin Ligase
Solubility : 10 mM in DMSO



Biological Activity

MS.001 is a small molecule that inhibits both the chaperone binding and ubiquitin ligase activity of C-terminus of Hsc70 interacting protein (**CHIP**) at low micromolar concentrations (IC₅₀=3.3 μM).

MS.001 also inhibits CHIP/chaperone interaction with IC₅₀ of 3.8 μM.

MS.001 does not have activity against isolated U-box or tetratricopeptide (TPR) domains, but instead only inhibited full-length CHIP.

References

Kanack AJ, et al. *Chembiochem*. 2022 Mar 18;23(6):e202100633.

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

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