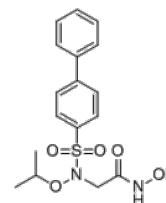


Product Name : ARP100
Cat. No. : PC-20588
CAS No. : 704888-90-4
Molecular Formula : C₁₇H₂₀N₂O₅S
Molecular Weight : 364.42
Target : Matrix Metalloproteinase (MMP)
Solubility : 10 mM in DMSO



CAS: 704888-90-4

Biological Activity

ARP100 (ARP-100) is a potent, selective gelatinase A (MMP-2) inhibitor with IC₅₀ of 12 nM, weakly inhibits MMP-9 (IC₅₀=200 nM) and >300-fold selectivity over MMP1/3/7.
ARP100 (50 nM) inhibits HT1080 sarcoma cells growth on matrigel.
ARP100 significantly reduces secretion of TGF-β1 in metastatic Y79 cell line.

References

- Huang YH, et al. Sci Rep. 2021 Jun 9;11(1):12171.
Webb AH, et al. BMC Cancer. 2017 Jun 20;17(1):434.
Armando Rossello, et al. Bioorg Med Chem. 2004 May 1;12(9):2441-50.

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

E-mail: tech@probechem.com