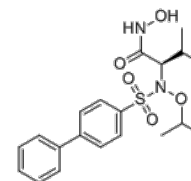


Product Name : ARP101
Cat. No. : PC-35730
CAS No. : 849773-63-3
Molecular Formula : C₂₀H₂₆N₂O₅S
Molecular Weight : 406.497
Target : Matrix Metalloproteinase (MMP)
Solubility : 10 mM in DMSO



Biological Activity

ARP101 (ARP-101) is a selective **MMP-2** inhibitor, induces autophagy-associated cell death in cancer cells. ARP101 (ARP-101) was highly effective in inducing the formation of autophagosome and conversion of LC3I into LC3II. ARP101-induced autophagy was completely blocked in mouse embryo fibroblasts that lacked autophagy related gene 5 (ATG5(-/-) MEF). ARP101 inhibits α -MSH-stimulated melanogenesis by regulation of autophagy in melanocytes.

References

- Jo YK, et al. *Biochem Biophys Res Commun*. 2011 Jan 28;404(4):1039-43.
Kim ES, et al. *FEBS Lett*. 2013 Dec 11;587(24):3955-60.

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

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