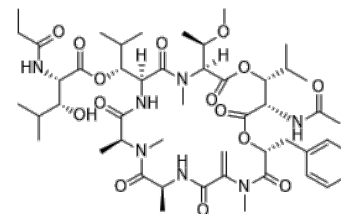


Product Name : FR900359
Cat. No. : PC-22683
CAS No. : 107530-18-7
Molecular Formula : C₄₉H₇₅N₇O₁₅
Molecular Weight : 1002.17
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 107530-18-7

Biological Activity

FR900359 is a plant-derived depsipeptide and specific pan-Gq (**Gq/11/14**) inhibitor, selectively inhibits Gq-dependent signalling, with little effect on Galphasbetagamma, Galphaibetagamma, or Galpha12/13betagamma heterotrimer activity. FR900359 fully blocked Gq-mediated IP1 accumulation, did not perturb the cAMP-raising by Gs-sensitive prostanoid EP2/EP4 receptors or cAMP lowering by Gi-sensitive prostaglandin D2 receptor DP2/CRT2. FR900359 inhibits Gαq, Gα11 and Gα14, but not Gα16 or any other mammalian Gα isoform. FR900359 does not impair G protein-independent β-arrestin recruitment. induces melanoma cells into differentiation and inhibits melanoma cell migration.

References

- Schrage R, et al. *Nat Commun.* 2015 Dec 14;6:10156.
 Carr R 3rd, et al. *Mol Pharmacol.* 2016 Jan;89(1):94-104.

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

E-mail: tech@probechem.com