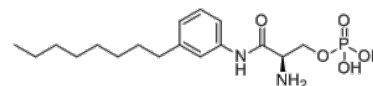


Product Name : VPC-23019
Cat. No. : PC-70075
CAS No. : 449173-19-7
Molecular Formula : C₁₇H₂₉N₂O₅P
Molecular Weight : 372.4
Target : Lysophospholipid Receptor
Solubility : 10 mM in DMSO



Biological Activity

VPC-23019 is a competitive **S1P receptor** antagonist with pK_i of 7.86 and 5.93 for S1P1 and S1P3, respectively, in radioligand binding assays.

VPC-23019 increases the concentration-dependent vasoconstriction to S1P in both rat and mouse basilar arteries with intact endothelium.

References

Davis MD, et al. J Biol Chem. 2005 Mar 18;280(11):9833-41.

El-Shewy HM, et al. J Biol Chem. 2006 Oct 20;281(42):31399-407.

Salomone S, et al. Br J Pharmacol. 2008 Jan;153(1):140-7.

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

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