



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

产品名称: **PI4KIIIbeta-IN-9**

产品别名: **PI4KIIIbeta-IN-9**

生物活性:						
Description	PI4KIIIbeta-IN-9 is a potent PI4KIII β inhibitor with an IC ₅₀ of 7 nM. PI4KIIIbeta-IN-9 also inhibits PI3K δ and PI3K γ with IC ₅₀ s of 152 nM and 1046 nM, respectively.					
IC₅₀ & Target	PI4KIII β	PI4KIII α	PI3K δ	PI3K γ	PI3K α	PI3KC2 γ
	7 nM (IC ₅₀)	2.6 μ M (IC ₅₀)	152 nM (IC ₅₀)	1046 nM (IC ₅₀)	2 μ M (IC ₅₀)	1 μ M (IC ₅₀)
In Vitro	PI4KIIIbeta-IN-9 (Compound 9) shows weak inhibition of PI3KC2 γ (IC ₅₀ ~1 μ M), PI3K α (~2 μ M), and PI4KIII α (~2.6 μ M) and <50% inhibition at concentrations up to 20 μ M for PI4K2 α , PI4K2 β , and PI3K β . PI4KIIIbeta-IN-9 (Compound 9) forms a crescent shape that conforms to the active site of PI4KIII β . This molecule makes extensive contacts with PI4KIII β ^[1] .					
References	[1]. Rutaganira FU, et al. Design and Structural Characterization of Potent and Selective Inhibitors of Phosphatidylinositol 4 Kinase III β . J Med Chem. 2016 Mar 10;59(5):1830-9.					



源叶生物