$PKG1\alpha$ activator 3

Cat. No.:	HY-151203	
CAS No.:	2773367-58-9	\sim
Molecular Formula:	$C_{27}H_{26}Cl_2N_2O_6$	-0, _{N+} 0
Molecular Weight:	545.41	
Target:	PKG	
Pathway:	Stem Cell/Wnt	СІ ОН
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

BIOLOGICAL ACTIV	ИТҮ				
Description		a activator (EC ₅₀ basal/partial: be used in cardiovascular dis		ator 3 shows anti-prol	iferative effects to
In Vitro	PKG1α activator 3 (6.2-22.8 μ	μM; 45 min) shows phosphory μM; 24 h) inhibits PDGF-induce confirmed the accuracy of the	d cell proliferation ^[1] .	eference only.	
	Cell Line:	Smooth muscle cells			
	Concentration:	6.2-22.8 μM			
	Incubation Time:	24 hours			
	Result:	Inhibited hPASMC prolifera	tion EC ₅₀ value of 6 μM.		
	Cell Viability Assay ^[1]				
	Cell Line:	HEK 293 cells			
	Concentration:	11.7-33.3 μM			
	Incubation Time:	45 min			
	Result:	Showed pVASP cell EC ₅₀ va	lue of 13.4 μM.		
In Vivo	PKG1α activator 3 shows acc	eptable in vivo rat pharmacol	inetic profiles ^[1] .		
			pharmacokinetic parameters		
	Compound	Cl (mL/min/kg)	Vd (L/kg)	MRT (h)	PPB (%)

Product Data Sheet



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REFERENCES

[1]. Victor W Mak, et al. Optimization and Mechanistic Investigations of Novel Allosteric Activators of PKG1a. J Med Chem. 2022 Aug 11;65(15):10318-10340.

Caution: Product has not been fully validated for medical applications. For research use only.

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