PD173952

Cat. No.: CAS No.: Molecular Formula:	HY-122113 305820-75-1 C ₂₄ H ₂ ,Cl,N ₅ O ₂	ГН	
Molecular Weight: Target:	482.36 Src; Bcr-Abl; Apoptosis; Wee1		
Pathway:	Protein Tyrosine Kinase/RTK; Apoptosis; Cell Cycle/DNA Damage	- Gi	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.		

BIOLOGICAL ACTIV					
Description	PD173952 is a tyrosine kinase	es inhibitor with IC ₅₀ s of 0.3, 1.7 a ibitor with a K _i of 8.1 nM. PD1739		sk, respectively. PD173952 is	
IC₅₀ & Target	Lyn 0.3 nM (IC ₅₀)	Abl 1.7 nM (IC ₅₀)	Csk 6.6 nM (IC ₅₀)	Myt1 8.1 nM (Ki)	
In Vitro	dependent manner ^[1] . PD173952 (0.5 μM; 1-4 days) i PD173952 (0.5 μM; 24 and 48	μM; 1-4 days) inhibits K562 cell viability ^[1] . μM; 24 and 48 h) induces apoptosis of K562 and MEG-01 cells ^[1] . dependently confirmed the accuracy of these methods. They are for reference only.			
	Cell Line:	K562 cells			
	Concentration:	0, 25, 50, 100, 200, 500 and 1000 nM			
	Incubation Time:	12 h			
	Result:	Inhibited tyrosine phosphorylation of p210 ^{Bcr-Abl} and CrkL.			
	Cell Viability Assay ^[1]				
	Cell Line:	K562 cells			
	Concentration:	0.5 μΜ			
	Incubation Time:	1-4 days			
	Result:	Caused cell death in a time-dep	oendent manner.		
	Western Blot Analysis ^[1]				
	Cell Line:	K562 and MEG-01 cells			

Product Data Sheet



Concentration:	0.5 μΜ
Incubation Time:	24 and 48 h
Result:	85-kDa PARP fragment was detected.

REFERENCES

[1]. Dorsey JF, et al. Interleukin-3 protects Bcr-Abl-transformed hematopoietic progenitor cells from apoptosis induced by Bcr-Abl tyrosine kinase inhibitors. Leukemia. 2002 Sep;16(9):1589-95.

[2]. Wichapong K, et al. Application of docking and QM/MM-GBSA rescoring to screen for novel Myt1 kinase inhibitors. J Chem Inf Model. 2014 Mar 24;54(3):881-93.

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

 Tel: 609-228-6898
 Fax: 609-228-5909
 E-mail: tech@MedChemExpress.com

 Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA