TMBIM6 antagonist-1

MedChemExpress

Cat. No.:	HY-137175		
CAS No.:	123134-61-	2	
Molecular Formula:	$C_{15}H_{12}N_{2}O_{3}$		
Molecular Weight:	268.27		
Target:	mTOR		
Pathway:	PI3K/Akt/m	TOR	
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year

®

SOLVENT & SOLUBILITY

	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
		1 mM	3.7276 mL	18.6379 mL	37.2759 mL
		5 mM	0.7455 mL	3.7276 mL	7.4552 mL
	10 mM	0.3728 mL	1.8638 mL	3.7276 mL	

DIOLOGICALACTIV		
Description	TMBIM6 antagonist-1, a pote and also regulates TMBIM6-le	ential TMBIM6 antagonist, prevents TMBIM6 binding to mTORC2, decreases mTORC2 activity, eaky Ca ^{2+[1]} .
In Vitro	TMBIM6 antagonist-1 (BIA, 0. MB-2341 and SKBR3 cells, wi cells, and 2.4 ± 0.4 μM for SKI TMBIM6 antagonist-1 (BIA, 10 TMBIM6 KO HT1080 cells ^[1] . MCE has not independently of Cell Viability Assay ^[1]	5-10 μM, 3 days) significantly and dose-dependently inhibits cell viability in HT1080, MCF7, MDA- ith IC ₅₀ values of 1.7 ± 0.1 μM for HT1080, 2.6 ± 0.4 μM for MCF cells, 2.6 ± 0.5 μM for MDA-MB-231 BR3 cells, respectively ^[1] . 0 μM) treatment decreases cell migration in HT1080, MCF7, MDA-MB-231, and SKBR3 cells, not confirmed the accuracy of these methods. They are for reference only.
	Cell Line:	HT1080, MCF7, MDA-MB-2341 and SKBR3 cells.
	Concentration:	0.5-10 μΜ.
	Concentration:	0.5-10 μΜ.

Product Data Sheet

 NH_2

0 N⁺ O⁻

	Incubation Time:	3 days.
	Result:	Inhibited cell viability.
	Western Blot Analysis ^[1]	1
	Cell Line:	WT and TMBIM6 KO HT1080 cells.
	Concentration:	0, 2, 5 µМ.
	Incubation Time:	
	Result:	Downregulated the protein levels of AKT-pS473.
In Vivo	TMBIM6 antagonist-1 (1 MCE has not independe	mg/kg, IP 5 days per week during 25 days) significantly impaires cell-driven tumor growth ^[1] . Intly confirmed the accuracy of these methods. They are for reference only.
	Animal Model:	Six- to eight-week BklNbt:BALB/c/nu/nu old mice (HT1080 and MDA-MB-231 cells) $^{[1]}$.
	Dosage:	1 mg/kg.
	Administration:	IP 5 days per week during 25 days.

REFERENCES

[1]. Hyun-Kyoung Kim, et al. TMBIM6/BI-1 contributes to cancer progression through assembly with mTORC2 and AKT activation. Nat Commun. 2020 Aug 11;11(1):4012.

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