## TRIM24/BRPF1-IN-2

MedChemExpress

®

Cat. No.: Molecular Formula: Molecular Weight: Target: Pathway: Storage:	HY-143332 C <sub>20</sub> H <sub>22</sub> N <sub>2</sub> O <sub>4</sub> S 386.46 Epigenetic Reader Domain Epigenetics Please store the product under the recommended conditions in the Certificate of Analysis.	
---	---	--

BIOLOGICAL ACTIV	ITY ) ————	
Description	TRIM24/BRPF1-IN-2 (compo respectively. TRIM24/BRPF1 prostate cancer research <sup>[1]</sup> .	ound 20l) is a potent TRIM24/BRPF1 dual inhibitor, with IC <sub>50</sub> values of 0.98 and 1.16 μM, IN-2 shows TRIM24/BRPF1 bromodomain binding affinity. TRIM24/BRPF1-IN-2 can be used for
IC <sub>50</sub> & Target	BRPF1 1.16 μΜ (IC <sub>50</sub> )	
In Vitro	TRIM24/BRPF1-IN-2 (compo 22Rv1), with IC <sub>50</sub> values of 0 TRIM24/BRPF1-IN-2 inhibits TRIM24/BRPF1-IN-2 displays MCE has not independently RT-PCR <sup>[1]</sup>	pund 20l) (0-10 μM, 48 h) suppresses the growth of the prostate cell lines (C4-2B, LNCaP, and 0.78±0.15, 1.07±0.47, and 0.82±0.26 μM, respectively <sup>[1]</sup> . gene and protein expression in prostate cancer cells <sup>[1]</sup> . s reasonable Caco-2 permeability <sup>[1]</sup> . confirmed the accuracy of these methods. They are for reference only.
	Cell Line:	22Rv1 cell, LNCaP cells
	Concentration:	0.4, 2, 5, and 10 μM
	Incubation Time:	48 h
	Result:	Decreased the mRNA expression of full-length AR, AR-V7 and AR-regulated genes PSA, KLK2 and TMPRSS2. inhibited the mRNA level of C-MYC.
In Vivo	TRIM24/BRPF1-IN-2 (compo exhibiting noticeable toxicit MCE has not independently	ound 20l) (50 mg/kg, IP, once daily for 21 days) suppresses tumor growth (TGI = 53%) without y <sup>[1]</sup> . confirmed the accuracy of these methods. They are for reference only.
	Animal Model:       Mice (n = 5-7 per dose group, Four-week-old, male, non-obese dia immune-deficiency (NOD SCID), 22Rv1 xenograft model) <sup>[1]</sup>	Mice (n = 5-7 per dose group, Four-week-old, male, non-obese diabetic server combined immune-deficiency (NOD SCID), 22Rv1 xenograft model) <sup>[1]</sup>
	Dosage:	50 mg/kg
	Administration:	IP, once daily for 21 days

## Product Data Sheet

Result:	Inhibited the progression of the tumors significantly (53% tumor growth inhibition) without body weight loss.

## REFERENCES

[1]. Xiang Q, et al. Discovery, optimization and evaluation of 1-(indolin-1-yl)ethan-1-ones as novel selective TRIM24/BRPF1 bromodomain inhibitors. Eur J Med Chem. 2022 Jun 5;236:114311.

## 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