Benzosceptrin C

Cat. No.:	HY-N12687	
CAS No.:	1204605-36-6	NH₂ N≓ Br
Molecular Formula:	C ₂₂ H ₁₈ Br ₄ N ₁₀ O ₂	N NH
Molecular Weight:	774.06	
Target:	PD-1/PD-L1; Apoptosis	н нм ^б
Pathway:	Immunology/Inflammation; Apoptosis	Br
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	Br

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Description	Benzosceptrin C is an inhibit pathway, enhances the cytor	or for PD-L1, which promotes programmed cell death ligand (PD-L1) degradation in a lysosomal toxicity of T-cells and exhibits antitumor activity ^[1] .	
In Vitro	Benzosceptrin C (0-10 μM) in checkpoints disruption, and Benzosceptrin C (0-10 μM) bl degradation of PD-L1, blocks MCE has not independently of Cell Proliferation Assay ^[1]	eptrin C (0-10 μM) inhibits PD-L1 expression in CRC cancer cells, enhances T-cell cytotoxicity through PD-L1 ints disruption, and inhibits proliferations of CRC cancer cells RKO and HCT116 ^[1] . eptrin C (0-10 μM) blocks the palmitoylation of PD-L1 by inhibiting DHHC3, thus promotes the lysosomal cion of PD-L1, blocks the direct interaction of PD-L1 and PD-1 and exert an immune antitumor effect ^[1] . not independently confirmed the accuracy of these methods. They are for reference only. feration Assay ^[1]	
	Cell Line:	RKO and HCT116	
	Concentration:	0-10 μΜ	
	Incubation Time:	24 days	
	Result:	Inhibited proliferation of tumor cells in dose-dependent manner.	
	Western Blot Analysis ^[1]		
	Cell Line:	RKO and HCT116	
	Concentration:	0-10 μΜ	
	Incubation Time:	24 h	
	Result:	Reduced levels of PD-L1 in time- and dose-dependent manner.	
In Vivo	Benzosceptrin C (5-50 mg/kg of tumor-infiltrating T cells a MCE has not independently o	(day, i.p. for 16 days) inhibits tumor growth in MC38 xenograft C57BL/6 mice through activation nd induction of apoptosis ^[1] . confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	MC38 xenograft C57BL/6 mice ^[1]	



Dosage:	5-50 mg/kg
Administration:	i.p.,Once a day for 16 days
Result:	Inhibited tumor growth with TGI of 30.4% and 43.1% at dose of 25 and 50 mg/kg with presence of T cells.

REFERENCES

[1]. Wang Q, et al., Benzosceptrin C induces lysosomal degradation of PD-L1 and promotes antitumor immunity by targeting DHHC3. Cell Rep Med. 2024 Feb 20;5(2):101357.

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

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