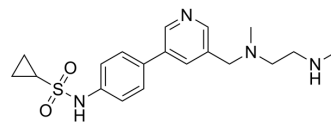


PRMT6-IN-3

Cat. No.:	HY-152236
CAS No.:	2890765-10-1
Molecular Formula:	C ₁₉ H ₂₆ N ₄ O ₂ S
Molecular Weight:	374.5
Target:	Histone Methyltransferase; Apoptosis
Pathway:	Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PRMT6-IN-3 (compound 25) is a selective PRMT6 inhibitor with an IC ₅₀ value of 192 nM. PRMT6-IN-3 can induce apoptosis in cancer cells and has anticancer activity ^[1] .		
In Vitro	PRMT6-IN-3(compound 25) (80 μM, 3-7 days) has anti-proliferative activity against HCC827 and MDA-MB-435 cells ^[1] . PRMT6-IN-3(compound 25) (0-40 μM, 72 h) significantly induces apoptosis of cancer cells in a dose-dependent manner. Among them, a concentration of 40 μM could induce apoptosis in 43.44% and 35.08% of HCC827 and MDA-MB-435 cells, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		
In Vivo	The pharmacokinetic parameters of PRMT6-IN-3(compound 25) in rat		
	Parameters	iv (2 mg/kg)	po (10 mg/kg)
	T _{max} (h)	0.08	0.33
	T _{1/2} (h)	1.46	1.63
	AUC _(0-t) (ng*h/mL)	661.50	123.53
	MRT _(0-t) (h)	1.24	1.86
	C _{max} (ng/mL)	-	88.32
	F (%)	-	3.73
	MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

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

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