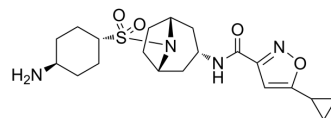


EPZ028862

Cat. No.:	HY-145444
CAS No.:	1887082-53-2
Molecular Formula:	C ₂₀ H ₃₀ N ₄ O ₄ S
Molecular Weight:	422.54
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	EPZ028862 is a selective SMYD3 inhibitor for cancer research ^[1] .				
In Vivo	The pharmacokinetic parameters of EPZ028862(IV: 1 mg/kg; PO: 5 mg/kg)				
	Parameter	Mouse	Rat	Dog	Cynomolgus
	CLp(mL/min/kg)	79.8	32.7	13.9	21.4
	CLr(mL/min/kg)	23.6	21	1.97	1.06
	V _{ss} (L/kg)	9.5	4.4	5.8	9.5
	t _{1/2} (h)	2	2.1	5.4	5.6
	MRT(h)	2	59	7	7.4
	t _{max} (h)	0.33	1	1.5	2
	F(%)	100	59	70	62
	MCE has not independently confirmed the accuracy of these methods. They are for reference only.				

REFERENCES

[1]. Michael J Thomenius, et al. Small molecule inhibitors and CRISPR/Cas9 mutagenesis demonstrate that SMYD2 and SMYD3 activity are dispensable for autonomous cancer cell proliferation. PLoS One. 2018 Jun 1;13(6):e0197372.

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

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