

	Result:	Decreased levels of the antiapoptotic protein BCL-XL and increased levels of the pro-apoptotic protein PUMA.
In Vivo	Bomedemstat treatment (oral gavage; 45 mg/kg; once daily; 56 d) normalizes or improves blood cell counts, reduces spleen volumes, restores normal splenic architecture, and reduces bone marrow fibrosis ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Mx-Jak2 ^{V617F} mice ^[1]
	Dosage:	45 mg/kg
	Administration:	Oral gavage; 45 mg/kg; once daily; 56 days
	Result:	Reduced splenomegaly significantly with a few treated mice normalizing their spleen weight, the 56-day course led to partial restoration of lymph follicles and spleen architecture by histological examination.

REFERENCES

- [1]. Jonas S Jutzi, et al. LSD1 Inhibition Prolongs Survival in Mouse Models of MPN by Selectively Targeting the Disease Clone. *Hemasphere*. 2018 Jun 8;2(3):e54.
- [2]. Yuan Fang, et al. LSD1/KDM1A inhibitors in clinical trials: advances and prospects. *J Hematol Oncol*. 2019 Dec 4;12(1):129.

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

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