

	Cell Line:	RAW 264.7 cells and THP-1 cells
	Concentration:	10 μ M
	Incubation Time:	15 minutes
	Result:	Decreased LPS (100 ng/mL)-induced phosphorylation of I κ B α and NF- κ B-P65.
In Vivo	<p>Jh-X-119-01 improves survival and decreases immunopathies of LPS-challenged mice. Jh-X-119-01 increases survival of mice at the dose of 5 mg/kg body weight. Survival is further improved when the dose is increased to 10 mg/kg^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>	
	Animal Model:	C57BL/6 (20-22 g, male) mice ^[1]
	Dosage:	5 mg/kg and 10 mg/kg
	Administration:	Intraperitoneally injected; 5 days
	Result:	Protected mice from LPS (20 mg/kg)-induced sepsis. Survival at day 5 was 13.3% in control group where septic mice were treated by vehicle, while the values were 37.5% and 56.3% for 5 mg/kg and 10 mg/kg.

CUSTOMER VALIDATION

- JCI Insight. 2022 Jul 8;7(13):e149825.
- University of Louisville. 2023 May 24.

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REFERENCES

[1]. Bin Pan, et al. Selective inhibition of interleukin-1 receptor-associated kinase 1 ameliorates lipopolysaccharide-induced sepsis in mice. Int Immunopharmacol. 2020 Aug;85:106597.

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

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