



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Zymosan A

Cat. No.:	HY-W250113		
CAS No.:	58856-93-2		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

# Zymosan A

### SOLVENT & SOLUBILITY

In Vitro	DMSO : 1.94 mg/mL (ultrasonic and warming and adjust pH to 4 with HCl and heat to 60°C)
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### BIOLOGICAL ACTIVITY

**Description** Zymosan A (Zymosan A from *Saccharomyces cerevisiae*) is a TLR2 agonist, that targeting TLRs can prevent and suppress IR-induced intestinal injury. Zymosan A exhibits a significant radioprotective effect, and protects IR-induced intestinal injury in mice. Zymosan A promotes the regeneration of intestinal stem cells (ISCs), after IR injury<sup>[1]</sup>.

**In Vivo** Zymosan A can be used in animal modeling to establish a mouse peritonitis model.

Zymosan A (25.0 mg/kg; IP at 12 and 2 h before IR) mitigates IR-induced intestinal injury in mice<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	20.0 Gy abdominal irradiation (ABI) model in mice <sup>[1]</sup>
Dosage:	25.0 mg/kg, dissolved in NS
Administration:	IP; injection at 12 and 2 h before IR
Result:	Significantly reduced the degree of bleeding and edema in the intestinal tissue.

### REFERENCES

[1]. Du J, et al. Zymosan-A promotes the regeneration of intestinal stem cells by upregulating ASCL2. *Cell Death Dis.* 2022 Oct 20;13(10):884.

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

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