



SZABO SCANDIC

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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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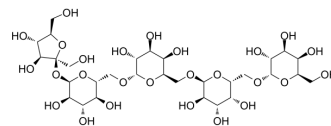
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Verbascope

Cat. No.:	HY-N9369
CAS No.:	546-62-3
Molecular Formula:	C ₃₀ H ₅₂ O ₂₆
Molecular Weight:	828.72
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro H₂O : 250 mg/mL (301.67 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		1.2067 mL	6.0334 mL	12.0668 mL
	5 mM		0.2413 mL	1.2067 mL	2.4134 mL
	10 mM		0.1207 mL	0.6033 mL	1.2067 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description Verbascope, an alacto-oligosac-charides (GOS), has potent immunostimulatory activity. Verbascope acts as a potential natural immunomodulatory agent^[1].

In Vitro Verbascope (25, 50, 100, 200, 400 µg/mL; 12, 24, 36, 48 hours) significantly increases the viability of RAW264.7 cells^[1]. Verbascope has notable activity of promoting peritoneal macrophages to devour neutral red in a dose-dependent manner and exhibits its maximum activity of cell phagocytosis at a concentration of 200 µg/mL^[1]. Verbascope induces significant increases of NO production. Verbascope can enhance the ability of devouring neutral red of peritoneal macrophages and promote the release of nitric oxide and immune reactive molecules such as interleukin (IL)-6, IL-1β, interferon (IFN)-α, and IFN-γ^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo Verbascope (30, 90, 120 mg/kg/day; sc; for 8 days) at a medium dose of 90 mg/kg body weight can significantly increase the index of spleen, activity of lysozyme in spleen and serum, hemolysin level in serum, and swelling rate of earlap in the delayed type of hypersensitivity (DTH) of immunosuppressed female Kunming mice^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhuqing Dai, et al. Immunomodulatory activity in vitro and in vivo of verbascose from mung beans (*Phaseolus aureus*). *J Agric Food Chem*. 2014 Nov 5;62(44):10727-35.

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

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