



# 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

### SZABO-SCANDIC HandelsgmbH

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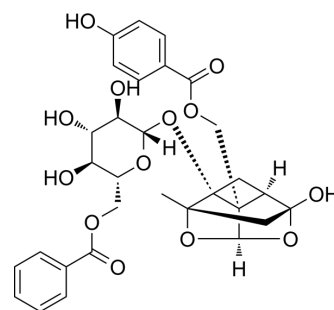
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## Benzoyloxypaeoniflorin

<b>Cat. No.:</b>	HY-N2101
<b>CAS No.:</b>	72896-40-3
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>32</sub> O <sub>13</sub>
<b>Molecular Weight:</b>	600.57
<b>Target:</b>	Tyrosinase; NF-κB
<b>Pathway:</b>	Metabolic Enzyme/Protease; NF-κB
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (166.51 mM)  
\* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.6651 mL	8.3254 mL	16.6508 mL
	5 mM	0.3330 mL	1.6651 mL	3.3302 mL
	10 mM	0.1665 mL	0.8325 mL	1.6651 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (4.16 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (4.16 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (4.16 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Benzoyloxypaeoniflorin, isolated from the root of *Paeonia suffruticosa*, is a tyrosinase inhibitor against mushroom tyrosinase with IC<sub>50</sub> of 0.453 mM. Benzoyloxypaeoniflorin is NF-κB Inhibitor and contributes to improving blood circulation through its inhibitory effect on both platelet aggregation and blood coagulation<sup>[1][2][3]</sup>.

#### IC<sub>50</sub> & Target

IC<sub>50</sub>: 0.453 mM (Mushroom tyrosinase)<sup>[1]</sup>  
NF-κB<sup>[2]</sup>

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## REFERENCES

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- [1]. Ding HY, et al. Tyrosinase inhibitors isolated from the roots of *Paeonia suffruticosa*. *J Cosmet Sci*. 2009 May-Jun;60(3):347-52.
- [2]. Lu Y, et al. The Screening Research of NF- $\kappa$ B Inhibitors from Moutan Cortex Based on Bioactivity-Integrated UPLC-Q/TOF-MS. *Evid Based Complement Alternat Med*. 2019 Mar 3;2019:6150357.
- [3]. Koo YK, et al. Platelet anti-aggregatory and blood anti-coagulant effects of compounds isolated from *Paeonia lactiflora* and *Paeonia suffruticosa*. *Pharmazie*. 2010 Aug;65(8):624-8.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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