



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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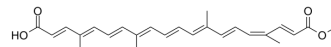
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## Bixin

Cat. No.:	HY-N6884
CAS No.:	6983-79-5
Molecular Formula:	C <sub>25</sub> H <sub>30</sub> O <sub>4</sub>
Molecular Weight:	394.5
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 7.14 mg/mL (18.10 mM); Need ultrasonic						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.5349 mL	12.6743 mL	25.3485 mL
				5 mM	0.5070 mL	2.5349 mL	5.0697 mL
				10 mM	0.2535 mL	1.2674 mL	2.5349 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 0.71 mg/mL (1.80 mM); Suspended solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 0.71 mg/mL (1.80 mM); Suspended solution; Need ultrasonic						

### BIOLOGICAL ACTIVITY

Description	Bixin (BX), isolated from the seeds of Bixa orellana, is a carotenoid, possessing anti-inflammatory, anti-tumor and anti-oxidant activities. Bixin treatment ameliorated cardiac dysfunction through inhibiting fibrosis, inflammation and reactive oxygen species (ROS) generation <sup>[1]</sup> .
IC <sub>50</sub> & Target	ROS generation <sup>[1]</sup>

### CUSTOMER VALIDATION

- Research Square Preprint. 2021 Aug.

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See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Xu Z, et al. Bixin ameliorates high fat diet-induced cardiac injury in mice through inflammation and oxidative stress suppression. Biomed Pharmacother. 2017 May;89:991-1004.

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

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