



# 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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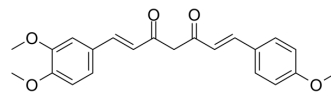
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## Di-O-methylmethoxycurcumin

<b>Cat. No.:</b>	HY-N7275
<b>CAS No.:</b>	824951-60-2
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>22</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	366.41
<b>Target:</b>	Interleukin Related
<b>Pathway:</b>	Immunology/Inflammation
<b>Storage:</b>	-20°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

<b>In Vitro</b>	DMSO : 25 mg/mL (68.23 mM); ultrasonic and warming and heat to 60°C																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>2.7292 mL</td> <td>13.6459 mL</td> <td>27.2918 mL</td> </tr> <tr> <td>5 mM</td> <td>0.5458 mL</td> <td>2.7292 mL</td> <td>5.4584 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2729 mL</td> <td>1.3646 mL</td> <td>2.7292 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.7292 mL	13.6459 mL	27.2918 mL	5 mM	0.5458 mL	2.7292 mL	5.4584 mL	10 mM	0.2729 mL	1.3646 mL	2.7292 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 0.71 mg/mL (1.94 mM); Clear solution																					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Di-O-methylmethoxycurcumin, a curcuminoid analog, inhibits IL-6 production with an EC <sub>50</sub> of 16.20 µg/mL. Anti-inflammatory and antioxidant properties <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IL-6

### REFERENCES

[1]. Nuntana Aroonrerk, et al. Inhibitory effects of di-O-demethylcurcumin on interleukin-1β-induced interleukin-6 production from human gingival fibroblasts. J Dent Sci. 2012 Dec;7(14): 350-358.

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

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