



# 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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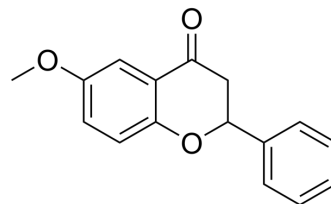
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## 6-Methoxyflavanone

Cat. No.:	HY-N8852
CAS No.:	3034-04-6
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> O <sub>3</sub>
Molecular Weight:	254.28
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (393.27 mM; Need ultrasonic)																							
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>3.9327 mL</td> <td>19.6634 mL</td> <td>39.3267 mL</td> </tr> <tr> <td>5 mM</td> <td>0.7865 mL</td> <td>3.9327 mL</td> <td>7.8653 mL</td> </tr> <tr> <td>10 mM</td> <td>0.3933 mL</td> <td>1.9663 mL</td> <td>3.9327 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	1 mM	3.9327 mL	19.6634 mL	39.3267 mL	5 mM	0.7865 mL	3.9327 mL	7.8653 mL	10 mM	0.3933 mL	1.9663 mL	3.9327 mL			
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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: ≥ 2.5 mg/mL (9.83 mM); Clear solution																							

### BIOLOGICAL ACTIVITY

Description	6-Methoxyflavanone (6-MeOF) is an orally active flavonoid compound. 6-Methoxyflavanone has anxiolytic properties. 6-Methoxyflavanone targets unique sites on GABA-A receptors, different from traditional benzodiazepines. 6-Methoxyflavanone can be used to study anxiety disorders. 6-Methoxyflavanone readily crosses the blood brain barrier (BBB) [1].
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### REFERENCES

[1]. Akbar S, et al. Characterization of 6-methoxyflavanone as a novel anxiolytic agent: A behavioral and pharmacokinetic approach. Eur J Pharmacol. 2017 Apr 15;801:19-27.

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

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