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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

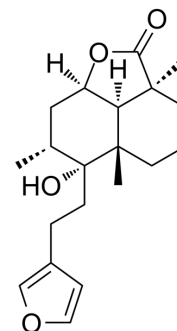
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Marrubiin

Cat. No.:	HY-N6995
CAS No.:	465-92-9
Molecular Formula:	C ₂₀ H ₂₈ O ₄
Molecular Weight:	332.43
Target:	Others
Pathway:	Others
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 (300.82 mM; Need ultrasonic)																													
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th>Solvent</th> <th>Mass</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Concentration</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td></td> <td>3.0082 mL</td> <td>15.0408 mL</td> <td>30.0815 mL</td> </tr> <tr> <td>5 mM</td> <td></td> <td>0.6016 mL</td> <td>3.0082 mL</td> <td>6.0163 mL</td> </tr> <tr> <td>10 mM</td> <td></td> <td>0.3008 mL</td> <td>1.5041 mL</td> <td>3.0082 mL</td> </tr> </tbody> </table>	Solvent	Mass	1 mg	5 mg	10 mg	Concentration					1 mM		3.0082 mL	15.0408 mL	30.0815 mL	5 mM		0.6016 mL	3.0082 mL	6.0163 mL	10 mM		0.3008 mL	1.5041 mL	3.0082 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 >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.52 mM); Clear solution																													

BIOLOGICAL ACTIVITY

Description	Marrubiin, isolated from <i>Marrubium vulgare</i> , exhibits vasorelaxant and antioedematogenic activity. Marrubiin alleviates diabetic symptoms in animals ^{[1][2][3]} .
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REFERENCES

- [1]. El Bardai S, et al. The vasorelaxant activity of marrubenol and marrubiin from *Marrubium vulgare*. *Planta Med.* 2003 Jan;69(1):75-7.
- [2]. Stulzer HK, et al. Antioedematogenic effect of marrubiin obtained from *Marrubium vulgare*. *J Ethnopharmacol.* 2006 Dec 6;108(3):379-84.
- [3]. N.Mnonopi, et al. Marrubiin, a constituent of *Leonotis leonurus*, alleviates diabetic symptoms. *Phytomedicine.* 2012 Apr.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA