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

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

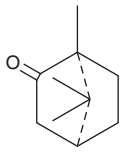
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

(1S)-(–)-Camphor

Item No. 23176

CAS Registry No.:	464-48-2
Formal Name:	(4S)-1S,7,7-trimethyl-bicyclo[2.2.1]heptan-2-one
Synonyms:	(–)-Camphor, (S)-Camphor, NSC 26351
MF:	$C_{10}H_{16}O$
FW:	152.2
Purity:	≥98%
UV/Vis.:	λ_{max}: 291 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

(1S)-(–)-Camphor is supplied as a crystalline solid. A stock solution may be made by dissolving the (1S)-(–)-camphor in the solvent of choice. (1S)-(–)-Camphor is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of (1S)-(–)-camphor in ethanol and DMF is approximately 30 mg/ml and approximately 20 mg/ml in DMSO.

(1S)-(–)-Camphor is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, (1S)-(–)-camphor should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. (1S)-(–)-Camphor has a solubility of approximately 0.33 mg/ml in a 1:2 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

(1S)-(–)-Camphor is a monoterpene found in various plant extracts, including *P. suffructicosa* with acaricidal activity.[1] It exhibits fumigant toxicity against *T. putrescentiae* when used at a concentration of 10.45 mg.

Reference

1. Tak, J.H., Kim, H.K., Lee, S.H., *et al*. Acaricidal activities of paeonol and benzoic acid from Paeonia suffruticosa root bark and monoterpenoids against Tyrophagus putrescentiae (Acari: Acaridae). *Pest Manag. Sci.* **62(6)**, 551-557 (2006).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM