



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

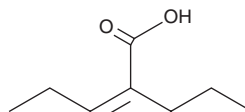
PRODUCT INFORMATION



(E,Z)-2-propyl-2-Pentenoic Acid

Item No. 19591

| | |
|--------------------------|---|
| CAS Registry No.: | 60218-41-9 |
| Formal Name: | 2-propyl-2-pentenoic acid |
| Synonyms: | 2-propyl-2-Pentenoate, 2-Propylpenten-2-oic Acid, 2-ene-VPA |
| MF: | C ₈ H ₁₄ O ₂ |
| FW: | 142.2 |
| Purity: | ≥98% |
| UV/Vis.: | λ _{max} : 216 nm |
| Supplied as: | A crystalline solid |
| Storage: | -20°C |
| Stability: | As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly |



Laboratory Procedures

(E,Z)-2-propyl-2-Pentenoic acid is supplied as a crystalline solid. A stock solution may be made by dissolving the (E,Z)-2-propyl-2-pentenoic acid in the solvent of choice. (E,Z)-2-propyl-2-Pentenoic acid is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of (E,Z)-2-propyl-2-pentenoic acid in these solvents is approximately 30, 20, and 15 mg/ml, respectively.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of (E,Z)-2-propyl-2-pentenoic acid can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of (E,Z)-2-propyl-2-pentenoic acid in PBS, pH 7.2, is approximately 1 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

(E,Z)-2-propyl-2-Pentenoic acid is a bioactive metabolite of valproic acid (Item No. 13033) that exhibits the same profile and potency of anticonvulsant activity in animal models as its parent compound without any observed teratogenicity and hepatotoxicity.¹

Reference

1. Löscher, W. Pharmacological, toxicological and neurochemical effects of Δ^{2(E)}-valproate in animals *Pharm. Weekbl. Sci.* **14(3A)**, 139-143 (1992).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 08/23/2016

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