**PRODUCT INFORMATION**

(±)-2-propyl-4-Pentenoic Acid

*Item No. 23090*

**CAS Registry No.:** 1575-72-0  
**Formal Name:** 2-propyl-4-pentenoic acid  
**Synonyms:** 2-Allylpentanoic Acid, 4-ene VPA

**MF:** C₈H₁₄O₂  
**FW:** 142.2  
**Purity:** ≥98%  
**Supplied as:** An oil  
**Storage:** -20°C  
**Stability:** ≥2 years

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

**Laboratory Procedures**

(±)-2-propyl-4-Pentenoic acid (4-ene VPA) is supplied as an oil. A stock solution may be made by dissolving the 4-ene VPA in the solvent of choice, which should be purged with an inert gas. 4-ene VPA is slightly soluble in methanol.

**Description**

4-ene VPA is a major metabolite of valproic acid (Item No. 13033).¹ It undergoes β-oxidation to form reactive metabolites that induce hepatotoxicity in rats. 4-ene VPA is also neuroteratogenic, reducing forebrain size and inducing deformation of the neural tube in mouse embryos.²

**References**


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**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.

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