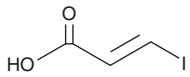
PRODUCT INFORMATION

(E)-3-Iodoacrylic Acid

Item No. 46573

CAS Registry No.: 6372-02-7
Formal Name: 3-iodo-2E-propenoic acid
Synonyms: *trans*-3-Iodoacrylic Acid, (E)-3-Iodoprop-2-enoic Acid
MF: $C_3H_3IO_2$
FW: 198.0
Purity: ≥95%
Supplied as: A 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

(E)-3-Iodoacrylic acid is supplied as a solid. A stock solution may be made by dissolving the (E)-3-Iodoacrylic acid in the solvent of choice, which should be purged with an inert gas. (E)-3-Iodoacrylic acid is soluble (≥10 mg/ml) in ethanol and DMSO.

Description

(E)-3-Iodoacrylic acid is a building block.[1-3] It has been used in the synthesis of cathepsin L inhibitors and a histone deacetylase (HDAC) inhibitor, as well as in the total synthesis of the marine secondary metabolite cylindramide.

References

1. Fernández-de-la-Pradilla, A., Quílez, C., Uršič, T., *et al.* Peptidyl keto vinyl amides as improved inhibitors of cathepsin L. *Bioorg. Med. Chem.* **137:118609**, (2026).
2. Shen, J., Woodward, R., Kedenburg, J.P., *et al.* Histone deacetylase inhibitors through click chemistry. *J. Med. Chem.* **51(23)**, 7417-7427 (2008).
3. Cramer, N., Laschat, S., Baro, A., *et al.* Enantioselective total synthesis of cylindramide. *Angew. Chem. Int. Ed. Engl.* **44(5)**, 820-822 (2005).

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, 10/08/2026

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