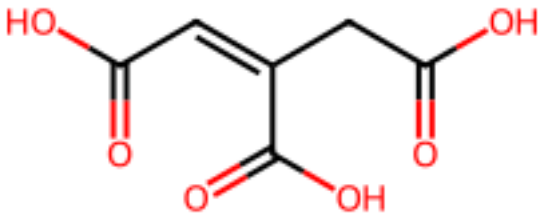
(Z)-PROP-1-ENE-1,2,3-TRICARBOXYLIC ACID

Formula	$C_6H_6O_6$
Mol. wt.	174.0164 g/mol
InChIKey	GTZCVFVGUGFEME-IWQZZHSRSA-N

1. MOLECULAR STRUCTURE 2D



2. HAZARD IDENTIFICATION (GHS)

Signal word: WARNING

Hazard pictograms:



Irritant

Hazard statements (H)

• H335: May cause respiratory irritation [Warning Specific target organ toxicity, single exposure; Respiratory tract irritation]

Precautionary statements (P)

• P261, P264, P264+P265, P270, P271, P280, P301+P317, P302+P352, P304+P340, P305+P351+P338, P317, P319, P321, P330, P332+P317, P337+P317, P362+P364, P403+P233, P405, and P501 (click each P-code to see the statement)

3. NFPA 704 SYSTEM

NFPA 704 data not available.

4. ACUTE TOXICITY

LD50 data not available.

5. RELEVANT PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Unit	Source

Boiling point	542.00 to 543.00 °C. @ 760.00 mm Hg	—	pubchem_pugview
LogP (experimental)	-0.140	—	pubchem_pugview
Melting point	125 °C	—	pubchem_pugview
Water solubility	400.0 mg/mL	—	pubchem_pugview

IMPORTANT LEGAL DISCLAIMER

This document is an INFORMATIONAL SAFETY PROPERTIES SUMMARY automatically generated from PubChem data (National Institutes of Health, USA). It is NOT an official Safety Data Sheet (SDS) and does not comply with GHS, OSHA HazCom, REACH (EU), or any equivalent national regulation. It must NOT be used as the sole reference document in industrial settings, professional laboratories, or for occupational risk assessment. Always consult the official SDS from the compound supplier and applicable local regulations before handling.

Official SDS sources:
- Sigma-Aldrich (Merck): https://www.sigmaaldrich.com/search#q=(Z)-prop-1-ene-1,2,3-tricarboxylic acid
- Fisher Scientific: https://www.fishersci.com/us/en/catalog/search/sds?query=(Z)-prop-1-ene-1,2,3-tricarboxylic acid
- PubChem (source data): https://pubchem.ncbi.nlm.nih.gov/#query=(Z)-prop-1-ene-1,2,3-tricarboxylic acid
- GESTIS (database): https://gestis-database.dguv.de/

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