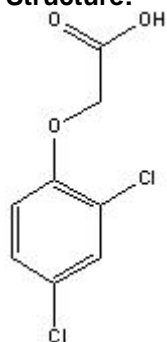


TECHNICAL INFORMATION

Catalog Number: 101553

2,4-Dichlorophenoxyacetic acid

Structure:**Molecular Formula:** C₈H₆Cl₂O₃**Molecular Weight:** 221**CAS #:** 94-75-7**Synonyms:** 2,4-D; Trinoxol**Physical Description:** Off-white to pale orange powder, slight tan cast**Solubility:** Soluble in ethanol (100 mg/ml - clear to hazy, faint yellow solution), methanol (50 mg/ml - clear, colorless solution).**Description:** A herbicide.¹**References:**

- *Merck Index*, **12th Ed.**, No. 2865.
- Catalina, M.I., et al., "Determination of chlorophenoxy acid herbicides in water by in situ esterification followed by in-vial liquid-liquid extraction combined with large-volume on-column injection and gas chromatography-mass spectrometry." *Journal of Chromatography A*, **v. 877:1-2**, 153-166 (2000).
- Grant, W.F. and Owens, E.T., "Chromosome aberration assays in *Crepis* for the study of environmental mutagens." *Mutation Research/Reviews in Mutation Research*, **v. 410:3**, 291-307 (1998).
- Kocourek, V., et al., "Stability of pesticides in plant extracts used as calibrants in the gas chromatographic analysis of residues." *Journal of Chromatography A*, **v. 800:2**, 297-304 (1998).
- Mastin, J.P., et al., "Use of immunoassays for biomonitoring of herbicide metabolites in urine." *Analytica Chimica Acta*, **v. 376:1**, 119-124 (1998).