

Rexar Technical Compound Datasheet

Product Name: Phthalic Acid

Chemical Name: Phthalic acid

CAS Number: 88-99-3

PubChem CID: 1017

Synonyms:

- o-Phthalic acid
- Benzene-1,2-dicarboxylic acid
- 1,2-Benzenedicarboxylic acid

Chemical Information

Molecular Formula: C₈H₆O₄

Molecular Weight: 166.13 g/mol

IUPAC Name: Benzene-1,2-dicarboxylic acid

SMILES: OC(=O)C1=CC=CC=C1C(=O)O

InChIKey: IUSYMAULFZQHDO-UHFFFAOYSA-N

Appearance: White crystalline powder

Solubility: Slightly soluble in water; soluble in ethanol and acetone

Applications

- Analytical reference compound for aromatic dicarboxylic acids
- Method development and validation in analytical chemistry
- Chromatographic calibration and identity confirmation
- Stability and solubility studies under laboratory conditions

Storage & Handling

Storage Temperature: 15–25 °C

Environment: Dry, cool, and protected from light

Handling: Use standard laboratory safety procedures

Packaging: Delivered in sealed containers for laboratory use only

Additional Notes

- Offered exclusively as a technical compound for analytical purposes
- No health, nutritional, or consumer claims are associated with this product
- For detailed chemical data, visit: PubChem CID 1017