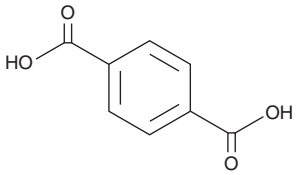
PRODUCT INFORMATION

Terephthalic Acid

Item No. 45660

CAS Registry No.: 100-21-0
Formal Name: 1,4-benzenedicarboxylic acid
Synonyms: NSC 36973, 1,4-Phenylenedicarboxylic Acid, *p*-Phthalic acid, TPA, WR 16262
MF: $C_8H_6O_4$
FW: 166.1
Purity: ≥98%
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

Terephthalic acid is supplied as a solid. A stock solution may be made by dissolving the terephthalic acid in the solvent of choice, which should be purged with an inert gas. Terephthalic acid is sparingly soluble (1-10 mg/ml) in DMSO.

Description

Terephthalic acid is a building block.[1] It has been used as a comonomer with ethylene glycol (Item No. 44724) in the synthesis of polyethylene terephthalate (PET). Formulations containing terephthalic acid have been used in the production of polyester fibers and films.

Reference

1. Pang, J., Zheng, M., Sun, R., *et al.* Synthesis of ethylene glycol and terephthalic acid from biomass for producing PET. *R. Soc. Chem.* 1-18 (2015).

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.

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