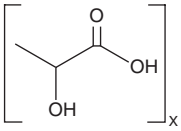
PRODUCT INFORMATION

Polylactic Acid

Item No. 46532

CAS Registry No.: 26100-51-6
Formal Name: 2-hydroxy-propanoic acid, homopolymer
Synonyms: PLA, Polylactide, Poly(lactic acid)
MF: $(C_3H_6O_3)_x$
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

Polylactic acid is supplied as a solid. A stock solution may be made by dissolving the polylactic acid in the solvent of choice, which should be purged with an inert gas. Polylactic acid is slightly soluble (0.1-1 mg/ml) in acetonitrile and tetrahydrofuran.

Description

Polylactic acid is a biodegradable polyester.[1] Formulations containing polylactic acid have been used in drug delivery applications, orthopedic fixation, and craniofacial reconstruction.

Reference

1. Slatinek, T., Plohl, O., and Črešnar, K.P. Poly(ε-caprolactone) and poly(lactic acid) in implantable applications: From biodegradable polymers to emerging vitrimer nanocomposites. *Biomater. Adv.* **190:215179**, (2027).

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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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