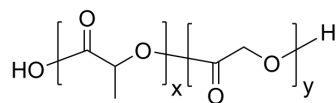


PLGA (50:50)

Cat. No.:	HY-B2247		
CAS No.:	34346-01-5		
Molecular Formula:	C ₅ H ₈ O ₅		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (Need ultrasonic) Ethanol : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble) H ₂ O : < 0.1 mg/mL (insoluble)
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution

BIOLOGICAL ACTIVITY

Description	PLGA (50:50) (poly(lactic-co-glycolic acid) (50:50)) is a copolymer of poly lactic acid (PLA) and poly glycolic acid (PGA) which can be used to fabricate devices for drug delivery and tissue engineering applications.
-------------	--

CUSTOMER VALIDATION

- Nat Nanotechnol. 2024 Feb 21.
- Adv Mater. 2023 Dec 16:e2312081.
- Cell Prolif. 2021 Jun 28:e13089.
- Cell Prolif. 2021 Jan;54(1):e12954.
- Int J Nanomedicine. 2024 Apr 17:19:3589-3605.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Chung TW, Tsai YL, Hsieh JH, Tsai WJ. Different ratios of lactide and glycolide in PLGA affect the surface property and protein delivery characteristics of the PLGA microspheres with hydrophobic additives. J Microencapsul. 2006;23(1):15-27.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA