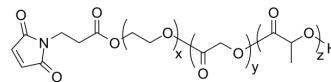


## PLGA-PEG-MAL (20kDA-5.0kDA, LA:GA ratio 50:50)

Cat. No.:	HY-148776		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

PLGA-PEG-MAL (20kDA-5.0kDA, LA:GA ratio 50:50) is a kind of poly(lactide-co-glycolide)-block-poly(ethylene glycol) (PLGA-PEG-Mal) nanoparticles. PLGA-PEG-MAL (20kDA-5.0kDA, LA:GA ratio 50:50) has a molecular weight of 20kDA to 5.0kDA and contains a 50:50 ratio of lactic acid (LA) to glycolic acid (GA) molecules. The molecular ratio of LA to GA determines the rate of matrix degradation and protein re-release<sup>[1][2]</sup>.

### REFERENCES

[1]. Kaldybekov DB, et al. Maleimide-functionalised PLGA-PEG nanoparticles as mucoadhesive carriers for intravesical drug delivery. *Eur J Pharm Biopharm.* 2019 Oct;143:24-34.

[2]. Zhou S, et al. Synthesis and characterization of biodegradable low molecular weight aliphatic polyesters and their use in protein-delivery systems[J]. *Journal of applied polymer science*, 2004, 91(3): 1848-1856.

**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