Accepted Manuscript

One-step Synthesis, Biodegradation and Biocompatibility of Polyesters Based on the Metabolic Synthon, Dihydroxyacetone

Julius N. Korley, Sara Yazdi, Kevin McHugh, James Kirk, James Anderson, David Putnam

PII: S0142-9612(16)30161-2

DOI: 10.1016/j.biomaterials.2016.04.042

Reference: JBMT 17482

To appear in: *Biomaterials*

Received Date: 6 February 2016

Revised Date: 19 April 2016

Accepted Date: 29 April 2016

Please cite this article as: Korley JN, Yazdi S, McHugh K, Kirk J, Anderson J, Putnam D, One-step Synthesis, Biodegradation and Biocompatibility of Polyesters Based on the Metabolic Synthon, Dihydroxyacetone, *Biomaterials* (2016), doi: 10.1016/j.biomaterials.2016.04.042.

One-step Synthesis, Biodegradation and Biocompatibility of Polyesters Based on the Metabolic Synthon, Dihydroxyacetone

Julius N. Korley[1], Sara Yazdi[1], Kevin McHugh[4], James Kirk[4], James Anderson[3], David Putnam[1,2,]*

[1]Meinig School of Biomedical Engineering and the [2]Robert Frederick Smith School of Chemical and Biomolecular Engineering, Cornell University, Ithaca NY, 14853.

[3]Department of Pathology and [4]Department of Biomedical Engineering Case Western Reserve University, Cleveland, OH 44106

∗To whom correspondence should be addressed: 147 Weill Hall, Cornell University, Ithaca, NY. tel. 607-255-4352, fax 607-255-7330, dap43@cornell.edu