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: [J].

2016YFE0117100

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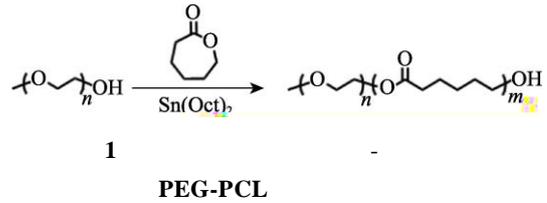
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United States CO₂ 377
 Thermo Fisher Scientific, Waltham, MA

1.3 PEG-PCL

PEG-PCL^[5, 12]

PEG Mw=2 kDa 50 mL 70
 2 h 1 Sn(Oct)₂
 30 min
 N₂ 110 16~18 h



1.4 mPEG-PCL@DOX

10 mg PEG-PCL
 DOX 2.0 mg DOX·HCl 5 mL
 3 μL 0.5 h
^[14] 2 mL CHCl₃ DMSO 1:1, V/V
 20 mL
 3 500 Da 48 h
 DOX
 220 nm DOX

1.5

25 45°
 5
 10 μL
 0.5 mg/mL TEM
 8 h
 2% 1 min 1 wt.
 DOX 0.2%

[5-7]

PCL PLA

[8-10]

PEG

[5, 11-13]

PCL

PEG-

PCL

1

1.1

Aesar PEG Mn=2 000 g·mol⁻¹ Alfa
 70 3 h
 N, N- DMF 99.8% Alfa Aesar

DMSO

24 h

THF

-CL Sigma-Aldrich

2

25

45°

5

DOX·HCl

0.5 mg/mL

10 μL

TEM

A549

2%

1 min

1

wt.

DOX 0.2%

RPMI-1640
 5% CO₂

10%
 37

95%

1.2

¹H-NMR Bruker Avance II 600
 Bruker Biospin, Germany

CDCl₃

90Plus/BI-MAS

Brookhaven Instruments, Holtsville,

NY 25

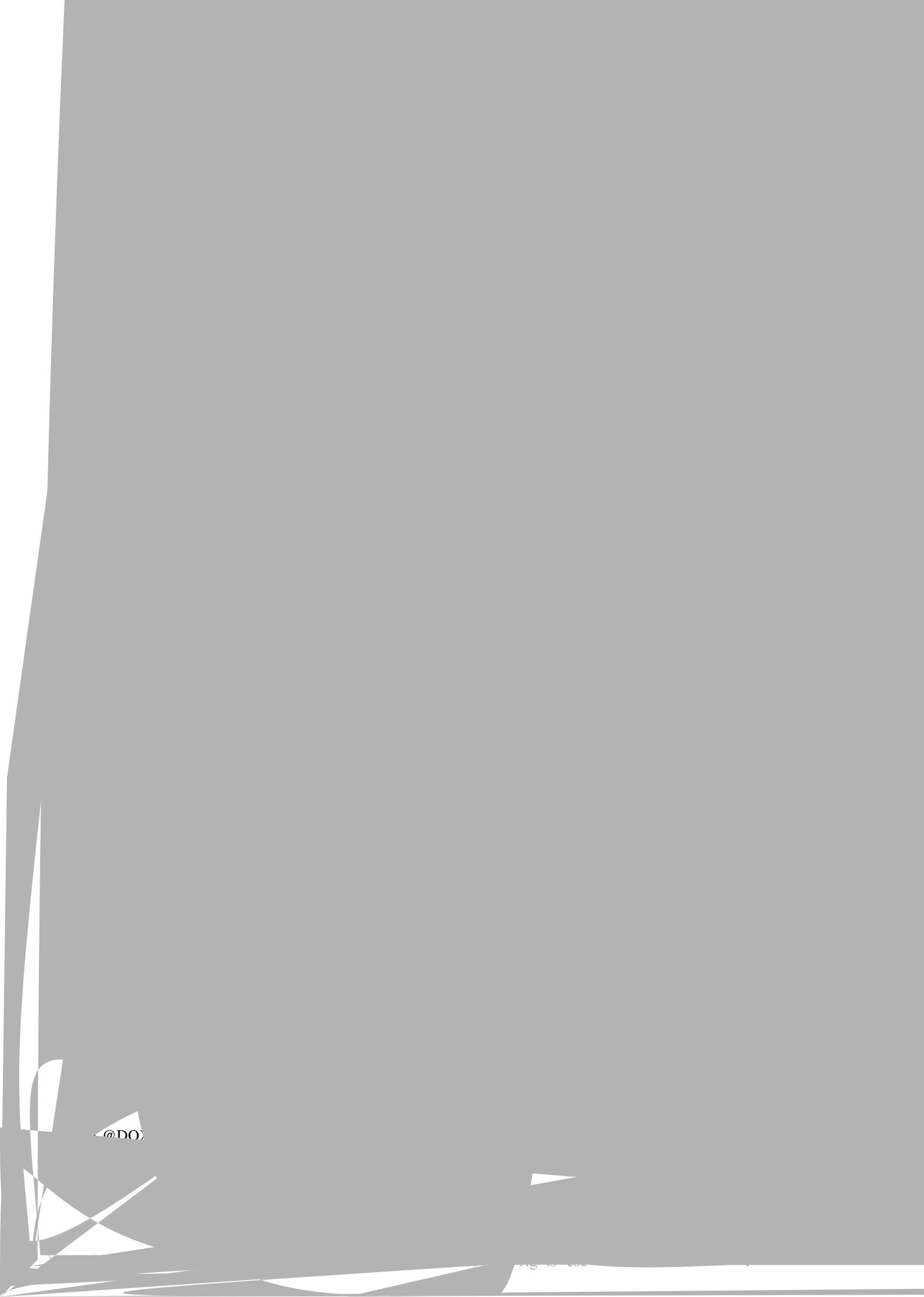
RV05 -ST

IKA Germany

PE/Lambda

750 Perkin Elmer, United States

DMi8 Leica Microsystems Inc, Buffalo Grove,



@DOJ

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PEG-PCL@DOX

A549

