## **Supporting Information**

## Efficient Organic DSSC Sensitizers Bearing an Electron-Deficient Pyrimidine as an Effective $\pi$ -Spacer

Li-Yen Lin,<sup>a</sup> Chih-Hung Tsai,<sup>b</sup> Ken-Tsung Wong,\*a Tsung-Wei Huang,<sup>b</sup> Chung-Chih Wu,\*b Shu-Hua Chou,<sup>a</sup> Francis Lin,<sup>a</sup> Shinn-Horng Chen,<sup>c</sup> An-I Tsai<sup>c</sup>

<sup>a</sup>Department of Chemistry, National Taiwan University, Taipei 10617, Taiwan

<sup>b</sup>Department of Electrical Engineering, Graduate Institute of Photonics and Optoelectronics, and Graduate Institute of Electronics Engineering, National Taiwan University, Taipei 10617, Taiwan

<sup>c</sup>Energy Material Research Group, Eternal Chemical Co., Ltd., Kaohsiung 821, Taiwan

## **Table of Contents**

<sup>1</sup> H NMR, <sup>13</sup> C NMR spectra for compound <b>2a</b>	S3-S4
<sup>1</sup> H NMR, <sup>13</sup> C NMR spectra for compound <b>2b</b>	S5-S6
<sup>1</sup> H NMR, <sup>13</sup> C NMR spectra for compound <b>2c</b>	S7–S8
<sup>1</sup> H NMR, <sup>13</sup> C NMR spectra for compound <b>3a</b>	S9-S10
<sup>1</sup> H NMR, <sup>13</sup> C NMR spectra for compound <b>3b</b>	S11-S12
<sup>1</sup> H NMR, <sup>13</sup> C NMR spectra for compound <b>3c</b>	S13-S14
<sup>1</sup> H NMR, <sup>13</sup> C NMR spectra for compound <b>DPTP</b>	S15-S16
<sup>1</sup> H NMR, <sup>13</sup> C NMR spectra for compound <b>OMeDPTP</b>	S17-S18
<sup>1</sup> H NMR, <sup>13</sup> C NMR spectra for compound <b>OHexDPTP</b>	S19-S20
<sup>1</sup> H NMR, <sup>13</sup> C NMR spectra for compound <b>4</b>	S21–S22
<sup>1</sup> H NMR, <sup>13</sup> C NMR spectra for compound <b>M-TP</b>	S23-S24

















































