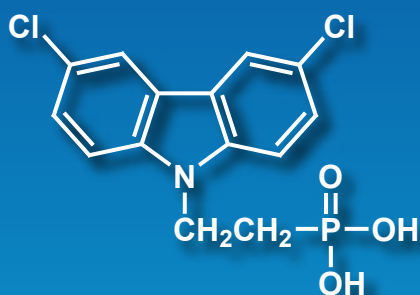


# Hole-selective SAM Forming Agent Contributing to Improved Performance of OPVs

## Cl-2PACz



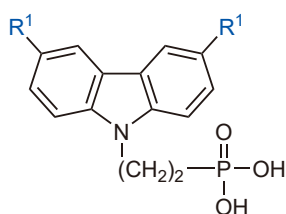
**Cl-2PACz**  
500mg  
[C3914]

### Advantages

- Forms hole extracting self-assembled monolayer (SAM) on ITO surfaces
- Improves performance and stability of organic photovoltaics (OPV) <sup>1)</sup>

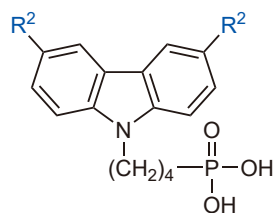
**Reference** 1) 18.9% Efficient Organic Solar Cells Based on n-Doped Bulk-Heterojunction and Halogen-Substituted Self-Assembled Monolayers as Hole Extracting Interlayers  
Y. Lin, T. D. Anthopoulos, *et al.*, *Adv. Energy Mater.* **2022**, 12, 2220503. <https://doi.org/10.1002/aenm.202202503>

### Related Products



#### 2PACz series

<b>R<sup>1</sup>=H</b>	<b>2PACz</b>	500mg [C3663]
<b>R<sup>1</sup>=OMe</b>	<b>MeO-2PACz</b>	500mg [D5798]
<b>R<sup>1</sup>=Me</b>	<b>Me-2PACz</b>	500mg [M3477]
<b>R<sup>1</sup>=Br</b>	<b>Br-2PACz</b>	500mg [B6391]



#### 4PACz series

<b>R<sup>2</sup>=H</b>	<b>4PACz</b>	500mg [P2995]
<b>R<sup>2</sup>=OMe</b>	<b>MeO-4PACz</b>	500mg [M3549]
<b>R<sup>2</sup>=Me</b>	<b>Me-4PACz</b>	500mg [M3359]
<b>R<sup>2</sup>=Br</b>	<b>Br-4PACz</b>	500mg [B6445]

The 2PACz and 4PACz series are covered by a joint patent pending (PCT/EP2019/060586) of Helmholtz Zentrum Berlin für Materialien und Energie GmbH, Germany and Kaunas University of Technology, Lithuania. TCI has been granted the right to manufacture and sell these materials.

#### Ordering and Customer Service

##### TCI AMERICA

Tel : 800-423-8616 / 503-283-1681  
Fax : 888-520-1075 / 503-283-1987  
E-mail : Sales-US@TCIchemicals.com

##### TCI EUROPE N.V.

Tel : +32 (0)3 735 07 00  
Fax : +32 (0)3 735 07 01  
E-mail : Sales-EU@TCIchemicals.com

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Tel : +49 (0)6196 64053-00  
Fax : +49 (0)6196 64053-01  
E-mail : Sales-DE@TCIchemicals.com

##### Tokyo Chemical Industry UK Ltd.

Tel : +44 (0)1865 78 45 60  
E-mail : Sales-UK@TCIchemicals.com

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E-mail : Sales-CN@TCIchemicals.com

##### Tokyo Chemical Industry (India) Pvt. Ltd.

Tel : 1800 425 7889 / 044-2262 0909  
E-mail : Sales-IN@TCIchemicals.com

##### TOKYO CHEMICAL INDUSTRY CO., LTD.

Tel : +81 (0)3-5640-8878  
E-mail : globalbusiness@TCIchemicals.com

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