

New

T C I

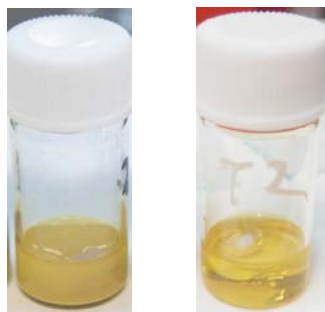
Reagent for Perovskite Solar Cells: Purified Lead(II) Iodide

Advantages

- Lead(II) iodide with extremely low water quantity for preparing a concentrated clear DMF solution.
- Fabricates efficient perovskite solar cell devices (PCE > 10%) with high reproducibility.

Comparison of an existing product and [L0279]

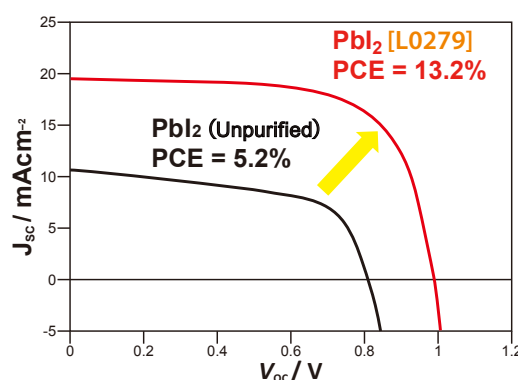
PbI₂-DMF Solution



An existing product
(Cloudy)

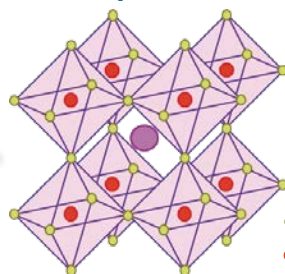
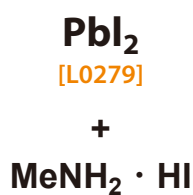
[L0279]
(Clear, 1M)

PCE

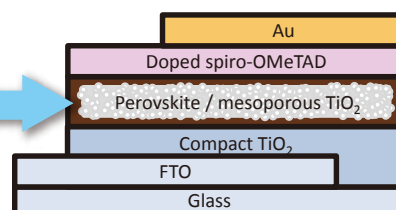
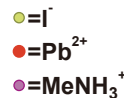


Application

Solution-processible perovskite solar cell device



MeNH₃PbI₃
Organic-Inorganic Hybrid Perovskite



A. Wakamiya, M. Endo, Y. Murata, Patent Pending, Appl. No. JP2014-008540, A. Wakamiya, M. Endo, T. Sasamori, N. Tokitoh, Y. Ogomi, S. Hayase, Y. Murata, *Chem. Lett.* **2014**, 43, 711, Y. Yamada, T. Nakamura, M. Endo, A. Wakamiya, Y. Kanemitsu, *J. Am. Chem. Soc.* **2014**, 136, 11610.

L0279 Lead(II) Iodide [for Perovskite precursor]

1g / 5g

This material was produced by collaboration with Prof. Atsushi Wakamiya at Institute for Chemical Research, Kyoto University.

Related Reagents

M2556	Methylamine Hydroiodide	1g / 5g / 25g
M2589	Methylamine Hydrobromide	1g / 5g
F0974	Formamidine Hydroiodide	1g / 5g
F0973	Formamidine Hydrobromide	1g / 5g

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

East Coast Office

Tel : 503-283-1681
Fax : 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

TCI Deutschland GmbH

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 784560
Fax : +44 (0)1865 784561
E-mail : Sales-UK@TCIchemicals.com

TCI Chemicals (India) Pvt. Ltd.

Tel : 1800 425 7889 / 044-2262 0909
Fax : 044-2262 8902
E-mail : Sales-IN@TCIchemicals.com

梯希爱(上海)化成工业发展有限公司

Tel : 800-988-0390 / 021-67121386
Fax : 021-6712-1385
E-mail : Sales-CN@TCIchemicals.com

TOKYO CHEMICAL INDUSTRY CO., LTD.

Tel : +81 (0)3-5640-8878
Fax : +81 (0)3-5640-8902
E-mail : globalbusiness@TCIchemicals.com

Availability, price or specification of the listed products are subject to change without prior notice. Reproduction forbidden without the prior written consent of Tokyo Chemical Industry Co., Ltd.