-MATERIAL
Organic Nano Electronic

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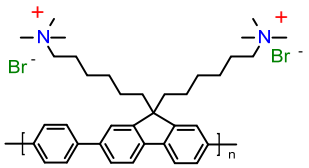
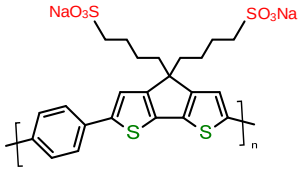
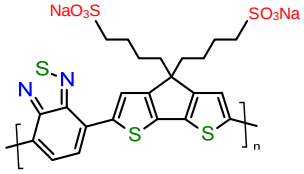
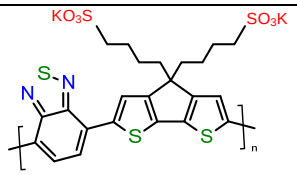
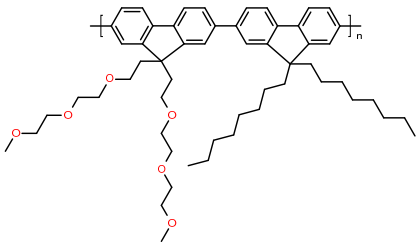
Conjugated PolyElectrolytes

Conjugated polyelectrolytes (CPEs) are defined by a backbone that contains a π-conjugated electronic structures with pendant ionic functionalities. In response to the increasing demand of these polymers in organic photovoltaic (OPV), Organic Light-Emitting Diodes(OLED) and Organic Thin Film Transistors (OTFT), 1M has reproduced the following CPEs for your research and development needs.

Revised November 2014

1M Code	*Common Name*	*Structure*	*Reference / Remarks*
OS0364	PFQ-Br		Ludvig Edman, *Journal of Applied Physics*, **2005** V98(4), P044502/1-044502/8
OS0400	PCPDTPhSO_3Na		Cheng-Kang Mai, etal., *Angew.Chem.Int.Ed.*, **2013**, 32, 12874
OS0433	PCPDTBTSO_3Na		Cheng-Kang Mai, etal., *Angew.Chem.Int.Ed.*, **2013**, 32, 12874
OS0319	PCPDTBTSO_3K		Cheng-Kang Mai, etal., *Angew.Chem.Int.Ed.*, **2013**, 32, 12874
OS0036	PF-TEG (PF-B)		David Stay and Mark Longergan, Marcomolecules, 2013, **46**, 4361

Other similar CPEs are also available, please contact info@1-material.com for further information

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