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Synthesis, aggregation-induced emission and electroluminescence of a new compound based on tetraphenylethene, carbazole and dimesitylboron moieties

Xiuqing Dong, Min Li, Heping Shi, Fangqin Cheng, Jesse Roose, Ben Zhong Tang



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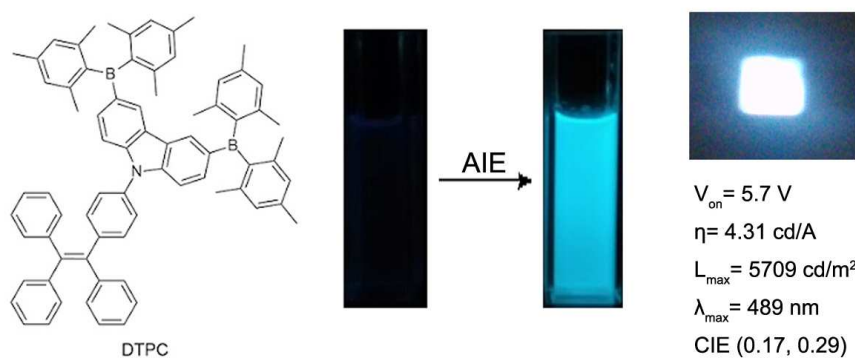
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A novel compound based on tetraphenylethene, carbazole and dimesitylboron moieties with aggregation induced emission (AIE) properties was synthesized and utilized as a highly efficient blue light-emitting material in OLEDs.

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