

# The Pd(II) Complex of a Bidentate Di(benzimidazol-2-ylidene) Ligand

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The pale yellow palladium(II) dicarbene complex *cis*-[PdI<sub>2</sub>(L)], **2** (L = 1,3-bis-(3-neopentylbenzimidazol-2-ylidene)-2,2-dimethylpropane) was synthesized by the reaction of PdI<sub>2</sub> with an N1,N1'-2,2'-dimethylpropane-bridged dibenzotetraazafulvalene **1** in tetrahydrofuran. The X-ray structure analysis revealed a mononuclear complex with a palladium(II) center coordinated in a slightly distorted square-planar fashion by the bidentate carbene ligand and two iodo ligands.

*Key words:* Carbene Ligand, Palladium(II), Crystal Structure