The pale yellow palladium(II) dicarbene complex \( \text{cis-PdI}_2(L) \), \( L = 1,3\)-bis-(3-neopentylbenzimidazol-2-ylidene)-2,2-dimethylpropane was synthesized by the reaction of \( \text{PdI}_2 \) with an \( \text{N}_1,\text{N}_1' \)-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