



>>Entry Name: Palladium(II) iodide (PdI₂), 8CI

ENTRY UNDER REVIEW

Synonym(s): Palladium diiodide

CAS Registry Number: 7790-38-7

PdI₂

Molecular Formula: I₂Pd

Molecular Weight: 360.229

Accurate Mass: 359.712424

Percentage Composition: I 70.46%; Pd 29.54%

Source/Synthesis: Synth. from aq. Palladium(II) chloride (PdCl₂) [JBQ09-K](#) + KI

Use/Importance: Catalyses oxidative carbonylations of alkynols, probably in form of PdI₄²⁽⁻⁾

Physical Description: Black light-sensitive solid

Solubility: Sol. I⁽⁻⁾(aq.)

Other Data: Dec. at 100-360°

Aldrich: 46467-8

Fluka: 76065

References:

Sidgwick, N.V., *The Chemical Elements and their Compds.*, Oxford, 1950, 1560

Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd edn., Ferdinand Enke Verlag, 1975, **3**, 1730, (*synth*)

Gabriele, B. *et al.*, *J.C.S. Perkin 1*, 1997, 147, (*use, oxidative carbonylation*)