



>>Entry Name: Palladium(II) hydroxide

CAS Registry Number: 12135-22-7

$\text{Pd}(\text{OH})_2$

Molecular Formula: $\text{H}_2\text{O}_2\text{Pd}$

Molecular Weight: 140.435

Accurate Mass: 139.908958

Percentage Composition: H 1.44%; O 22.79%; Pd 75.78%

Source/Synthesis: Synth. from $\text{PdCl}_2 + \text{NaOH}$

Use/Importance: Absorbed on carbon; used as a hydrogenation catalyst (*Pearlman's catalyst*)

Physical Description: Solid

Other Data: Forms PdO $>90^\circ$

References:

Glemser, O. *et al.*, *Z. Anorg. Allg. Chem.*, 1955, **281**, 44-53, (*synth*)

Hiskey, R.G. *et al.*, *J.A.C.S.*, 1961, **83**, 4798-4800, (*synth, use*)

Izatt, R.M. *et al.*, *J.C.S.(A)*, 1967, 1301-1304, (*synth*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1980, **8**, 385-386, (*use*)