



>>Entry Name: Mercury(II) cyanide (Hg(CN)₂)

Synonym(s): Mercuric cyanide

CAS Registry Number: 592-04-1

Hg(CN)₂

Molecular Formula: C₂HgN₂

Molecular Weight: 252.625

Accurate Mass: 253.976765

Percentage Composition: C 9.51%; Hg 79.40%; N 11.09%

Source/Synthesis: Synth. from HgO and HCN

Use/Importance: Glycosidation catalyst

Physical Description: Two forms: greyish cryst. (low P-form). Dark brown solid (high P-form >6 x 10⁴ atm.)

Solubility: Sol. H₂O (9.3 g per 100 cm³ at 14°); sol. EtOH (8.2 g per 100 cm³ at 19.5°)

Other Data: Dec. to Hg and (CN)₂ at 320° (440°). Weak electrolyte

Aldrich: 20814-0

Fluka: 83358

Rare Chemicals Library: S51854-9

References:

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