



>>Entry Name: Hydroxyphenylmercury, 9CI

Synonym(s): Phenylmercury hydroxide

CAS Registry Number: 100-57-2

Related CAS Registry Numbers(s): 8017-88-7

PhHgOH

Molecular Formula: C₆H₆HgO

Molecular Weight: 294.703

Accurate Mass: 296.012482

Percentage Composition: C 24.45%; H 2.05%; Hg 68.07%; O 5.43%

Source/Synthesis: Synth. from NaOH and PhHgOAc

Use/Importance: Polym. catalyst; defoliant

Physical Description: Prisms (H₂O)

Melting Point: Mp 234-237°

Solubility: Sol. hot H₂O

Other Data: Probably converts to (PhHg)₂O below the Mp

Aldrich: P2714-3

>>Derivative: Ac

>>Derivative: Borate

Synonym(s): [[Orthoborato(1-)-O]phenyl]mercury, 9CI. **Phenylmercuric borate**, INN. Aderman. Exomicol. Fenosept. Hydromercury. Merfen. Spidox. Many other names

CAS Registry Number: 102-98-7

Molecular Formula: C₁₂H₁₃BHg₂O₄

Molecular Weight: 633.223

Accurate Mass: 636.031924

Percentage Composition: C 22.76%; H 2.07%; B 1.71%; Hg 63.36%; O 10.11%

Use/Importance: Disinfectant, antifungal. Pharmaceutical excipient (preservative)

Melting Point: Mp 112-113°

Other Data: Commercial product may be a mixt. of phenylmercury borate and phenylmercury hydroxide

Rare Chemicals Library: S36613-7

Sigma: P2272

>>Derivative: Nitrate

References:

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