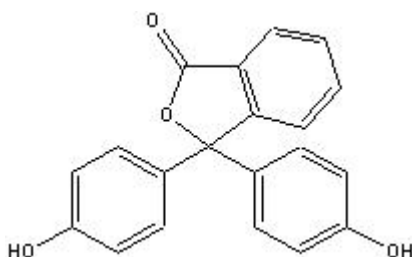


TECHNICAL INFORMATION

Catalog Number: 102608, 191424

Phenolphthalein

Structure:



Molecular Formula: C₂₀H₁₄O₄

Molecular Weight: 318.3

CAS # 77-09-8

Synonyms: 3,3-bis[4-Hydroxyphenyl]-1-[3H]-isobenzofuranone; 3,3-bis(p-Hydroxyphenyl) phthalide; a-(p-Hydroxyphenyl)-a-(4-oxo-2,5-cyclohexadien-1-ylidene)-o-toluic acid

Physical Description: White powder

pH Interval: 8.2 (colorless) - 9.8 (pink to deep red)

Solubility: Soluble in alcohol, ether, methanol (10 mg/ml - clear, yellow solution), ethanol; very slightly soluble in chloroform; almost insoluble in water.

pKa: 9.7 @ 25°C¹

Typical Use¹: Can be used in a 1% alcoholic solution as an indicator in titrations of mineral and organic acids and most alkalis. Not suitable for ammonia. Very sensitive to CO₂; and, in estimating carbonates, the liquid must be boiled. Borax can be titrated with phenolphthalein as an indicator only when glycerol is present, because the color gradually fades away as the acid is added. Usable with a few alkaloids.

Availability:

Catalog Number	Description	Size
102608	Phenolphthalein, USP Grade	100 g 250 g 500 g 1 kg
191424	Phenolphthalein, ACS Reagent Grade	100 g 500 g 1 kg

Reference:

