

**Product Name:** 4-Nitrophthalimide, 98%  
**Catalog Number:** A12040.14

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**CAS Number:** 89-40-7  
**IUPAC Name:** 5-nitro-2,3-dihydro-1H-isoindole-1,3-dione  
**Molecular Formula:** C<sub>8</sub>H<sub>4</sub>N<sub>2</sub>O<sub>4</sub>  
**Molecular Weight:** 192.13  
**InChI Key:** ANYWGXDASKQYAD-UHFFFAOYSA-N  
**SMILES:** [O-][N+](=O)C1=CC=C2C(=O)NC(=O)C2=C1  
**Synonym:** 4-nitrophthalimide

### Product Specification

**Appearance (Color):** White to cream  
**Form:** Powder or crystalline powder  
**Assay (Aqueous acid-base Titration):** ≥97.5 to ≤102.5%  
**Assay (GC):** ≥97.5%  
**Melting Point:** 198-204°C

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**Date Of Print:** 04/26/2025

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*