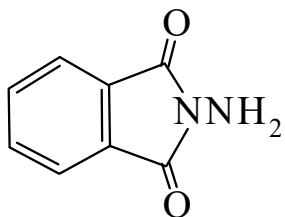




>>Entry Name: 2-Amino-1*H*-isoindole-1,3(2*H*)-dione, 9CI

Synonym(s): *N*-Aminophthalimide. Phthalhydrazide‡. Phthalocyclohydrazide‡



CAS Registry Number: 1875-48-5

Molecular Formula: C₈H₆N₂O₂

Molecular Weight: 162.148

Accurate Mass: 162.042928

Percentage Composition: C 59.26%; H 3.73%; N 17.28%; O 19.73%

General Statement: Confusion of synonyms with 1,4-Phthalazinediol [GBZ59-L](#)

Use/Importance: Selective reagent reacting with aldehydes and anhydrides but not ketones or esters. Source of *N*-nitrene by reaction with oxidising agents

Physical Description: Cryst. (EtOH)

Melting Point: Mp 199-202° (resolidifies and remelts at 340°)

Aldrich: 17831-4

Fluka: 9251

References:

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Anderson, D.J. *et al.*, *Chem. Comm.*, 1969, 146-147, (*use*)

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