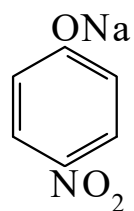




>>Entry Name: (4-Nitrophenoxy)sodium

Synonym(s): Sodium 4-nitrophenolate. 4-Nitrophenol sodium salt, 8Cl. Sodium *p*-nitrophenoxide



CAS Registry Number: 824-78-2

Extra CAS Registry Numbers(s): 66924-59-2

Molecular Formula: C₆H₄NNaO₃

Molecular Weight: 161.092

Accurate Mass: 161.008886

Percentage Composition: C 44.74%; H 2.50%; N 8.69%; Na 14.27%; O 29.80%

Source/Synthesis: Synth. by reaction of 4-nitrophenol with aq. NaOH (or Na₂CO₃) or by hydrolysis of 4-ClC₆H₄NO₂ with aq. NaOH

Use/Importance: Commercially available (90%). Migrates through organic membranes containing crown ethers

Physical Description: Yellow powder

Melting Point: Mp 300°

Solubility: Sol. H₂O (4.0 g per 100 cm³ at 25°);insol. CHCl₃ (except in presence of crown ethers, cryptands etc.)

Hazard & Toxicity: Flammable solid; irritant

Aldrich: 44366-2

References:

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