



Rare Chemicals Library: S43053-6

>>Derivative: Difluoride

CAS Registry Number: 445-69-2

Molecular Formula: C₈H₄F₂O₂

Molecular Weight: 170.115

Accurate Mass: 170.017936

Percentage Composition: C 56.48%; H 2.37%; F 22.34%; O 18.81%

Physical Description: Prisms (petrol)

Melting Point: Mp 42-43°

Boiling Point: Bp 224-226°. Bp₅₄ 135°

>>Derivative: Dichloride

CAS Registry Number: 88-95-9

Molecular Formula: C₈H₄Cl₂O₂

Molecular Weight: 203.024

Accurate Mass: 201.958834

Percentage Composition: C 47.33%; H 1.99%; Cl 34.92%; O 15.76%

Use/Importance: Reagent for converting acids and anhydrides to acid chlorides

Melting Point: Mp 15-16°

Boiling Point: Bp 281°. Bp₂₂ 153.3°

Solubility: Sol. Et₂O

Refractive Index: n_D²⁰ 1.5680

Other Data: Hydrol. by H₂O and alcohols

Aldrich: P4040-9

Fluka: 79830

>>Derivative: Monoamide

Synonym(s): Phthalamic acid

CAS Registry Number: 88-97-1

Molecular Formula: C₈H₇NO₃

Molecular Weight: 165.148

Accurate Mass: 165.042594

Percentage Composition: C 58.18%; H 4.27%; N 8.48%; O 29.06%

Physical Description: Prisms (MeOH)

Melting Point: Mp 149°

pKa Value: pK_a 3.76 (25°)

Rare Chemicals Library: S54757-3

>>Derivative: Diamide

Synonym(s): Phthalamide

CAS Registry Number: 88-96-0

Molecular Formula: C₈H₈N₂O₂

Molecular Weight: 164.163

Accurate Mass: 164.058578

Percentage Composition: C 58.53%; H 4.91%; N 17.06%; O 19.49%

Melting Point: Mp 222 dec.°

Rare Chemicals Library: S35479-1

>>Derivative: Bis(diethylamide)

Synonym(s): Phthalethamide

CAS Registry Number: 83-81-8

Molecular Formula: C₁₆H₂₄N₂O₂

Molecular Weight: 276.378

Accurate Mass: 276.183778

Percentage Composition: C 69.53%; H 8.75%; N 10.14%; O 11.58%

Melting Point: Mp 36°

Boiling Point: Bp₁₆ 204°. Bp_{0.01} 118-120°