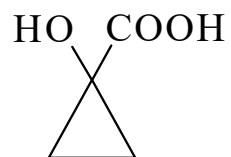




>>Entry Name: 1-Hydroxycyclopropanecarboxylic acid, 8Cl



CAS Registry Number: 17994-25-1

Molecular Formula: C₄H₆O₃

Molecular Weight: 102.09

Accurate Mass: 102.031695

Percentage Composition: C 47.06%; H 5.92%; O 47.02%

Use/Importance: Reversible inhibitor of dihydroxy acid dehydratase enzymes

Physical Description: Plates (C₆H₆); needles (xylene)

Melting Point: Mp 108-110°

Aldrich: 29388-1

Sigma: H5644

>>Derivative: Me ester

CAS Registry Number: 33689-29-1

Molecular Formula: C₅H₈O₃

Molecular Weight: 116.116

Accurate Mass: 116.047345

Percentage Composition: C 51.72%; H 6.94%; O 41.34%

Boiling Point: Bp_{0.9} 92-94°

Refractive Index: n_D²⁰ 1.4495

>>Derivative: Nitrile

Synonym(s): 1-Cyanocyclopropanol

CAS Registry Number: 14743-56-7

Molecular Formula: C₄H₅NO

Molecular Weight: 83.09

Accurate Mass: 83.037114

Percentage Composition: C 57.82%; H 6.07%; N 16.86%; O 19.26%

Boiling Point: Bp_{0.35} 48°

>>Derivative: Ac

CAS Registry Number: 123056-60-0

Molecular Formula: C₆H₈O₄

Molecular Weight: 144.127

Accurate Mass: 144.04226

Percentage Composition: C 50.00%; H 5.59%; O 44.40%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 96.5-97°

>>Derivative: Ac, amide

CAS Registry Number: 123032-98-4

Molecular Formula: C₆H₉NO₃

Molecular Weight: 143.142

Accurate Mass: 143.058244

Percentage Composition: C 50.35%; H 6.34%; N 9.79%; O 33.53%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 113.5-114.5°