



>>Entry Name: 2,4,5,6-Tetrafluoro-1,3-benzenedicarboxylic acid, 9Cl

Synonym(s): Tetrafluoroisophthalic acid, 8Cl

CAS Registry Number: 1551-39-9

Molecular Formula: C₈H₂F₄O₄

Molecular Weight: 238.095

Accurate Mass: 237.988922

Percentage Composition: C 40.36%; H 0.85%; F 31.92%; O 26.88%

Physical Description: Cryst.

Melting Point: Mp 203 dec.°

Aldrich: 33766-8

>>Derivative: Dinitrile

CAS Registry Number: 2377-81-3

Molecular Formula: C₈F₄N₂

Molecular Weight: 200.095

Accurate Mass: 199.99976

Percentage Composition: C 48.02%; F 37.98%; N 14.00%

Melting Point: Mp 78-79°

Aldrich: 32723-9

>>Derivative: Amide-nitrile

Molecular Formula: C₈H₂F₄N₂O

Molecular Weight: 218.11

Accurate Mass: 218.010325

Percentage Composition: C 44.05%; H 0.92%; F 34.84%; N 12.84%; O 7.34%

Physical Description: Cryst. solid

Melting Point: Mp 142-143°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1159B; 1543B, (*nmr*)

Robson, P. *et al.*, *J.C.S.*, 1964, 5748, (*synth*)

Crosby, J. *et al.*, *J.C.S. Perkin 1*, 1994, 1679, (*amide-nitrile*)