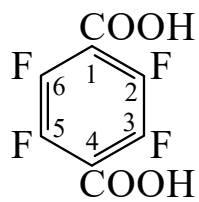




>>Entry Name: 2,3,5,6-Tetrafluoro-1,4-benzenedicarboxylic acid, 9CI

Synonym(s): Tetrafluoroterephthalic acid, 8CI



CAS Registry Number: 652-36-8

Molecular Formula: $C_8H_2F_4O_4$

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. (H_2O)

Melting Point: Mp 283-284°

Other Data: Several polyamides have been synth.

Aldrich: 10441-8

Rare Chemicals Library: S41385-2

Sigma: T5902

>>Derivative: Di-Me ester

CAS Registry Number: 727-55-9

Molecular Formula: $C_{10}H_6F_4O_4$

Molecular Weight: 266.149

Accurate Mass: 266.020222

Percentage Composition: C 45.13%; H 2.27%; F 28.55%; O 24.05%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 79-80°

>>Derivative: Amide-nitrile

Molecular Formula: $C_8H_2F_4N_2O$

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 (EtOAc/petrol)

Melting Point: Mp 146-148°

>>Derivative: Diamide

Molecular Formula: $C_8H_4F_4N_2O_2$

Molecular Weight: 236.125

Accurate Mass: 236.02089

Percentage Composition: C 40.69%; H 1.71%; F 32.18%; N 11.86%; O 13.55%

Physical Description: Cryst. (Py)

Melting Point: Mp 315°. Mp 320 dec.°

>>Derivative: Dinitrile

CAS Registry Number: 1835-49-0

Molecular Formula: $C_8F_4N_2$

Molecular Weight: 200.095

Accurate Mass: 199.99976

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

Use/Importance: Has fungicidal and mycobacteriostatic action

Physical Description: Cryst. (Me_2CO)

Melting Point: Mp 197-199°

Boiling Point: Subl._{0.2} 200-210°

Aldrich: 10442-6

References: