



>>Entry Name: Hexafluoropentanedioic acid, 9CI

Synonym(s): Hexafluoroglutaric acid. Perfluoroglutaric acid

CAS Registry Number: 376-73-8

HOCCF<sub>2</sub>CF<sub>2</sub>CF<sub>2</sub>COOH

Molecular Formula: C<sub>5</sub>H<sub>2</sub>F<sub>6</sub>O<sub>4</sub>

Molecular Weight: 240.059

Accurate Mass: 239.985728

Percentage Composition: C 25.02%; H 0.84%; F 47.48%; O 26.66%

Physical Description: Cryst.

Melting Point: Mp 89-91°

Aldrich: 19690-8

Fluka: 77270

Sigma: H2268

>>Derivative: Di-Me ester

CAS Registry Number: 1513-62-8

Molecular Formula: C<sub>7</sub>H<sub>6</sub>F<sub>6</sub>O<sub>4</sub>

Molecular Weight: 268.112

Accurate Mass: 268.017028

Percentage Composition: C 31.36%; H 2.26%; F 42.52%; O 23.87%

Physical Description: Oil

Boiling Point: Bp<sub>2</sub> 58-63°

Aldrich: 45733-7

Other: Oakwood 2289

>>Derivative: Di-Et ester

CAS Registry Number: 424-40-8

Molecular Formula: C<sub>9</sub>H<sub>10</sub>F<sub>6</sub>O<sub>4</sub>

Molecular Weight: 296.166

Accurate Mass: 296.048328

Percentage Composition: C 36.50%; H 3.40%; F 38.49%; O 21.61%

Physical Description: Liq.

Boiling Point: Bp<sub>3</sub> 75-80°

Density: d<sub>4</sub><sup>25</sup> 1.34

Rare Chemicals Library: S40855-7

>>Derivative: Anhydride

Synonym(s): 3,3,4,4,5,5-Hexafluorodihydro-2*H*-pyran-2,6(3*H*)-dione, 9CI

CAS Registry Number: 376-68-1

Molecular Formula: C<sub>5</sub>F<sub>6</sub>O<sub>3</sub>

Molecular Weight: 222.044

Accurate Mass: 221.975163

Percentage Composition: C 27.05%; F 51.34%; O 21.62%

Physical Description: Liq.

Boiling Point: Bp 72°

Aldrich: 29051-3

>>Derivative: Difluoride

CAS Registry Number: 678-78-4

Molecular Formula: C<sub>5</sub>F<sub>8</sub>O<sub>2</sub>

Molecular Weight: 244.041

Accurate Mass: 243.977054

Percentage Composition: C 24.61%; F 62.28%; O 13.11%

Physical Description: Liq.

Boiling Point: Bp 46-47°