



>>Derivative: 3,5-Di-Me ether

Synonym(s): 4-Hydroxy-3,5-dimethoxybenzeneacetic acid, 9Cl. 4-Hydroxy-3,5-dimethoxyphenylacetic acid, 8Cl. Homosyringic acid

CAS Registry Number: 4385-56-2

Molecular Formula: $C_{10}H_{12}O_5$

Molecular Weight: 212.202

Accurate Mass: 212.068475

Percentage Composition: C 56.60%; H 5.70%; O 37.70%

Physical Description: Needles (petrol or EtOAc)

Melting Point: Mp 130-131°

>>Derivative: 3,5-Di-Me ether, benzoyl

Molecular Formula: $C_{17}H_{16}O_6$

Molecular Weight: 316.31

Accurate Mass: 316.09469

Percentage Composition: C 64.55%; H 5.10%; O 30.35%

Physical Description: Needles (C_6H_6)

Melting Point: Mp 149-150°

>>Derivative: Tri-Me ether

Synonym(s): 3,4,5-Trimethoxybenzeneacetic acid, 9Cl. 3,4,5-Trimethoxyphenylacetic acid

CAS Registry Number: 951-82-6

Molecular Formula: $C_{11}H_{14}O_5$

Molecular Weight: 226.229

Accurate Mass: 226.084125

Percentage Composition: C 58.40%; H 6.24%; O 35.36%

Melting Point: Mp 121°

Aldrich: T7060-2

Fluka: 92190

>>Derivative: Tri-Me ether, nitrile

Synonym(s): 3,4,5-Trimethoxybenzeneacetonitrile, 9Cl. 3,4,5-Trimethoxyphenylacetonitrile

CAS Registry Number: 13338-63-1

Molecular Formula: $C_{11}H_{13}NO_3$

Molecular Weight: 207.229

Accurate Mass: 207.089544

Percentage Composition: C 63.76%; H 6.32%; N 6.76%; O 23.16%

Physical Description: Cryst. (Et_2O)

Melting Point: Mp 77-78°

Boiling Point: Bp_{0.1} 140-155°

Aldrich: 11336-0

Fluka: 92185

References:

- Aldrich Library of FT-IR Spectra*, 1st edn., 1985, **2**, 172A; 438B, (*ir*)
Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 1039B; 1500B, (*nmr*)
Maunthner, F., *J. Prakt. Chem.*, 1935, **142**, 32, (*3,5-di-Me ether*)
Kamal, A. *et al.*, *Tetrahedron*, 1965, **21**, 1411, (*deriv*)
Smith, G.E. *et al.*, *Biochem. J.*, 1972, **130**, 141, (*synth*)
Letcher, R.M. *et al.*, *J.C.S. Perkin 1*, 1972, 2941, (*3,5-di-Me ether*)
Short, J.H. *et al.*, *Tetrahedron*, 1973, **29**, 1931, (*3,5-di-Me ether*)
Becker, D. *et al.*, *J.C.S. Perkin 1*, 1977, 1674, (*deriv*)
Patra, A. *et al.*, *Indian J. Chem., Sect. B*, 1982, **21**, 173, (*deriv*)
Jung, Y.-S. *et al.*, *Synth. Commun.*, 2001, **31**, 455-462, (*3,5-di-Me ether*)