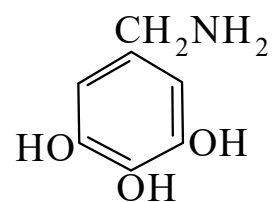




>>Entry Name: 3,4,5-Trihydroxybenzylamine

Synonym(s): 5-(Aminomethyl)-1,2,3-benzenetriol, 9Cl. α -Amino-3,4,5-trihydroxytoluene. Gallylamine



CAS Registry Number: 79146-84-2

Molecular Formula: $C_7H_9NO_3$

Molecular Weight: 155.153

Accurate Mass: 155.058244

Percentage Composition: C 54.19%; H 5.85%; N 9.03%; O 30.94%

Physical Description: Solid

>>Derivative: Hydrochloride

Melting Point: Mp 225-226 dec.°

>>Derivative: Tri-Ac

Molecular Formula: $C_{13}H_{15}NO_6$

Molecular Weight: 281.265

Accurate Mass: 281.089939

Percentage Composition: C 55.51%; H 5.38%; N 4.98%; O 34.13%

Melting Point: Mp 196-197°

>>Derivative: Tri-O-Me

Synonym(s): 3,4,5-Trimethoxybenzenemethanamine, 9Cl. 3,4,5-Trimethoxybenzylamine

CAS Registry Number: 18638-99-8

Molecular Formula: $C_{10}H_{15}NO_3$

Molecular Weight: 197.233

Accurate Mass: 197.105194

Percentage Composition: C 60.90%; H 7.67%; N 7.10%; O 24.34%

Physical Description: Oil

Boiling Point: Bp_{0.1} 106°

Aldrich: 33893-1

>>Derivative: Tri-O-Me, N-(3-methoxypropyl)

CAS Registry Number: 34274-04-9

Molecular Formula: $C_{14}H_{23}NO_4$

Molecular Weight: 269.34

Accurate Mass: 269.162709

Percentage Composition: C 62.43%; H 8.61%; N 5.20%; O 23.76%

Physical Description: Liq.

Density: d²⁰ 1.08

Refractive Index: n_D²⁰ 1.5200

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 629B, (nmr)

Rosenmund, K.W. *et al.*, *Ber.*, 1922, **55**, 2367, (synth)

Bach, E. *et al.*, *Acta Chem. Scand.*, 1971, **25**, 2629, (deriv)