>>**Entry Name: 1,2,4,5-Benzenetetramine,** 9Cl
Synonym(s): 1,2,4,5-Tetraaminobenzene

CAS Registry Number: 3204-61-3

Molecular Formula: $C_6H_{10}N_4$
Molecular Weight: 138.172
Accurate Mass: 138.090546
Percentage Composition: C 52.16%; H 7.29%; N 40.55%
Other Data: Free base oxidises very readily in air. Forms ladder polymers with tetraketones, tetracarboxylic acids, dianhydrides and some 3,6-disubstituted 2,5-dichlorobenzoquinones

>>**Derivative:** Hydrochloride (1:4)

CAS Registry Number: 4506-66-5
Physical Description: Prisms, needles (H_2O)
Solubility: Sol. H_2O, spar. sol. HCl
Aldrich: 30506-5
Fluka: 86722

>>**Derivative:** Sulfate
Physical Description: Needles
Solubility: Mod. sol. H_2O

>>**Derivative:** 1,2,4,5-*N*-Tetra-Ac

Molecular Formula: $C_{14}H_{18}N_4O_4$
Molecular Weight: 306.321
Accurate Mass: 306.132806
Percentage Composition: C 54.89%; H 5.92%; N 18.29%; O 20.89%
Physical Description: Needles (AcOH)
Melting Point: Mp 285°

>>**Derivative:** *N*-Octa-Me
Synonym(s): 1,2,4,5-Tetrakis(dimethylamino)benzene

CAS Registry Number: 104779-70-6
Molecular Formula: $C_{14}H_{26}N_4$
Molecular Weight: 250.386
Accurate Mass: 250.215746
Percentage Composition: C 67.16%; H 10.47%; N 22.38%
Use/Importance: Forms a diamagnetic dication, v. strong electron donor
Physical Description: Cryst. by subl.
Melting Point: Mp 95°
Other Data: Readily oxid. in soln.

>>**Derivative:** *N*-Octa-Me, hydrobromide (1:2)

CAS Registry Number: 108794-72-5
Physical Description: Cryst. + $2H_2O$ (MeOH)
Melting Point: Mp 226-227°

>>**Derivative:** *N*-Octa-Me, tetrafluoroborate (1:2)

CAS Registry Number: 108794-71-4
Physical Description: Cryst. (MeOH)
Melting Point: Mp 290-291°

References: