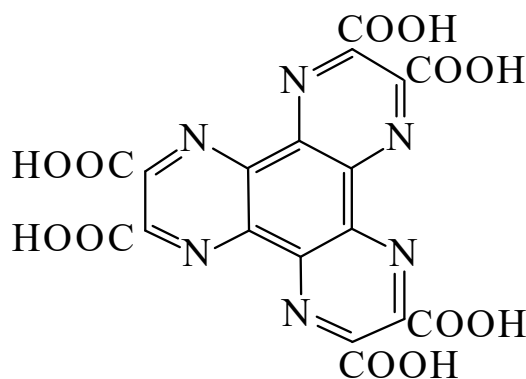




>>Entry Name: Benzo[1,2-*b*:3,4-*b'*:5,6-*b''*]tripyrazine-2,3,6,7,10,11-tetracarboxylic acid

Synonym(s): 1,4,5,8,9,12-Hexaazatriphenylenehexacarboxylic acid



CAS Registry Number: 105598-29-6

Molecular Formula: C₁₈H₆N₆O₁₂

Molecular Weight: 498.278

Accurate Mass: 498.004374

Percentage Composition: C 43.39%; H 1.21%; N 16.87%; O 38.53%

Use/Importance: Compd. and derivs are highly electron-deficient. Form charge-transfer complexes with π -bases

Physical Description: Cryst. + 1½ H₂O

Melting Point: Mp 350°

>>Derivative: Hexa-Me ester

CAS Registry Number: 105618-28-8

Molecular Formula: C₂₄H₁₈N₆O₁₂

Molecular Weight: 582.439

Accurate Mass: 582.098274

Percentage Composition: C 49.49%; H 3.11%; N 14.43%; O 32.96%

Physical Description: Cryst. (MeCN)

Melting Point: Mp 350°

>>Derivative: Hexaamide

Molecular Formula: C₁₈H₁₂N₁₂O₆

Molecular Weight: 492.37

Accurate Mass: 492.100278

Percentage Composition: C 43.91%; H 2.46%; N 34.14%; O 19.50%

Physical Description: Unstable straw-coloured hexagonal rods or stable amber plates (DMSO aq.)

Melting Point: Mp 350°

>>Derivative: Hexanitride

Synonym(s): Hexacyanohexaazatriphenylene

CAS Registry Number: 105598-27-4

Molecular Formula: C₁₈N₁₂

Molecular Weight: 384.278

Accurate Mass: 384.036888

Percentage Composition: C 56.26%; N 43.74%

Physical Description: Brown-black insol. solid

Melting Point: Mp 350°

>>Derivative: Trianhydride

Synonym(s): Furo[3,4-*b*]bisfuro[3',4':5,6]pyrazino[2,3-*f*:2',3'-*h*]quinoxaline-1,3,6,8,11,13-hexone, 9Cl

CAS Registry Number: 105618-29-9

Molecular Formula: C₁₈N₆O₉

Molecular Weight: 444.233

Accurate Mass: 443.972679

Percentage Composition: C 48.67%; N 18.92%; O 32.41%

Physical Description: Needles (MeCN/C₆H₆)

Melting Point: Mp 350°

Other Data: Moisture sensitive

References: