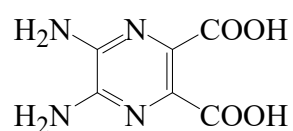




>>Entry Name: 5,6-Diamino-2,3-pyrazinedicarboxylic acid



Molecular Formula: C₆H₆N₄O₄

Molecular Weight: 198.138

Accurate Mass: 198.038906

Percentage Composition: C 36.37%; H 3.05%; N 28.28%; O 32.30%

>>Derivative: Di-Me ester

CAS Registry Number: 51421-78-4

Molecular Formula: C₈H₁₀N₄O₄

Molecular Weight: 226.191

Accurate Mass: 226.070206

Percentage Composition: C 42.48%; H 4.46%; N 24.77%; O 28.29%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 268.5-269.5° (dec.)

>>Derivative: Diamide

Molecular Formula: C₆H₈N₆O₂

Molecular Weight: 196.168

Accurate Mass: 196.070874

Percentage Composition: C 36.74%; H 4.11%; N 42.84%; O 16.31%

Physical Description: Cryst. (40% MeOH)

Other Data: Mp >300°

>>Derivative: Dinitrile

Synonym(s): 2,3-Diamino-5,6-dicyanopyrazine

CAS Registry Number: 36023-58-2

Molecular Formula: C₆H₄N₆

Molecular Weight: 160.138

Accurate Mass: 160.049744

Percentage Composition: C 45.00%; H 2.52%; N 52.48%

Other Data: Mp >300°

References:

Elina, A.S. *et al.*, *Khim. Geterotsikl. Soedin.*, 1973, 1548; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1973, **9**, 1403, (amide, Me ester)

Hou, D. *et al.*, *Dyes Pigm.*, 1993, **22**, 57, (nitrile)