



Aldrich: 21620-8

Fluka: 53840

Sigma: H6628

>>Derivative: Hydrobromide

CAS Registry Number: 13775-80-9

Molecular Formula: BrH₅N₂

Molecular Weight: 112.957

Accurate Mass: 111.983609

Percentage Composition: Br 70.74%; H 4.46%; N 24.80%

Melting Point: Mp 87-92°

Aldrich: 39444-0

>>Derivative: Hydrobromide (1:2)

CAS Registry Number: 23268-00-0

Extra CAS Registry Numbers(s): 40849-90-9

Physical Description: Cryst. + 2H₂O

>>Derivative: Sulfate

Synonym(s): NSC 150014

CAS Registry Number: 10034-93-2

Extra CAS Registry Numbers(s): 1184-66-3

Molecular Formula: H₆N₂O₄S

Molecular Weight: 130.124

Accurate Mass: 130.004828

Percentage Composition: H 4.65%; N 21.53%; O 49.18%; S 24.64%

Use/Importance: Commercially available

Physical Description: Colourless cryst.

Melting Point: Mp 254 dec.°

Solubility: Sl. sol. cold H₂O; sol. hot H₂O

Aldrich: 21604-6

Fluka: 53902

Sigma: H8379

>>Derivative: Nitrate (1:1)

CAS Registry Number: 13464-97-6

Extra CAS Registry Numbers(s): 37836-27-4

Molecular Formula: H₅N₃O₃

Molecular Weight: 95.058

Accurate Mass: 95.033092

Percentage Composition: H 5.30%; N 44.20%; O 50.49%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 70.5°

Hazard & Toxicity: Explosive

>>Derivative: Deutero compd.

Synonym(s): Hydrazine-*d*₄. Tetradeuterohydrazine. Perdeuterohydrazine

CAS Registry Number: 13762-95-3

Molecular Formula: D₄N₂

Molecular Weight: 36.07

Use/Importance: Commercially available

pKa Value: p*K*_a 9.1 (18°)

References: