Molecular Formula: $C_4H_5NO_3$
Molecular Weight: 115.088
Accurate Mass: 115.026944
Percentage Composition: C 41.75%; H 4.38%; N 12.17%; O 41.71%
Use/Importance: Reagent used in peptide synth.
Aldrich: 13067-2
Fluka: 56480
Sigma: H7377

>>**Derivative:** *N*-Acetoxy
Synonym(s): 1-(Acetyloxy)-2,5-pyrrolidinedione, 9CI. *N*-Acetoxysuccinimide

CAS Registry Number: 14464-29-0
Molecular Formula: $C_6H_7NO_4$
Molecular Weight: 157.126
Accurate Mass: 157.037509
Percentage Composition: C 45.87%; H 4.49%; N 8.91%; O 40.73%
Use/Importance: Reagent for acetylating amines
Physical Description: Cryst. (hexane/C_6H_6)
Melting Point: Mp 131-132°
Sigma: A9153

>>**Derivative:** *N*-Chloro

>>**Derivative:** *N*-Bromo

>>**Derivative:** *N*-Cyano
Synonym(s): *N*-Cyanosuccinimide

CAS Registry Number: 135205-66-2
Molecular Formula: $C_5H_4N_2O_2$
Molecular Weight: 124.099
Accurate Mass: 124.027278
Percentage Composition: C 48.39%; H 3.25%; N 22.57%; O 25.78%
Physical Description: Cinnamon flakes (EtOAc/hexane)
Melting Point: Mp 137-140°

>>**Derivative:** *N*-Nitro

CAS Registry Number: 5336-95-8
Molecular Formula: $C_4H_4N_2O_4$
Molecular Weight: 144.087
Accurate Mass: 144.017108
Percentage Composition: C 33.34%; H 2.80%; N 19.44%; O 44.42%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 86-87°

References: