



>>Derivative: 1-Et ester

CAS Registry Number: 7361-28-6

Molecular Formula: C₆H₁₁NO₄

Molecular Weight: 161.157

Accurate Mass: 161.068809

Percentage Composition: C 44.72%; H 6.88%; N 8.69%; O 39.71%

Melting Point: Mp 181-183°

>>Derivative: 4-Et ester

CAS Registry Number: 4070-43-3

Molecular Formula: C₆H₁₁NO₄

Molecular Weight: 161.157

Accurate Mass: 161.068809

Percentage Composition: C 44.72%; H 6.88%; N 8.69%; O 39.71%

Physical Description: Cryst. leaflets (EtOH)

Melting Point: Mp 189-190°

>>Derivative: 4-Et ester; hydrochloride

CAS Registry Number: 58485-25-9

Melting Point: Mp 199-200°

>>Derivative: Di-Et ester

CAS Registry Number: 13552-87-9

Molecular Formula: C₈H₁₅NO₄

Molecular Weight: 189.211

Accurate Mass: 189.100109

Percentage Composition: C 50.78%; H 7.99%; N 7.40%; O 33.82%

Boiling Point: Bp₁₃ 130°

Optical Rotation: [α]_D²⁰ -9.93

>>Derivative: Di-Et ester; hydrochloride

CAS Registry Number: 16115-68-7

Melting Point: Mp 95 dec.° (109-110°)

Optical Rotation: [α]_D²⁴ +8.1 (c, 1 in H₂O)

>>Derivative: 4-Benzyl ester

CAS Registry Number: 2177-63-1

Molecular Formula: C₁₁H₁₃NO₄

Molecular Weight: 223.228

Accurate Mass: 223.084459

Percentage Composition: C 59.19%; H 5.87%; N 6.27%; O 28.67%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 218-220°

Optical Rotation: [α]_D²⁵ +28.1 (c, 1 in 1M HCl)

>>Derivative: Diamide

Synonym(s): Asparaginamide

CAS Registry Number: 4432-56-8

Molecular Formula: C₄H₉N₃O₂

Molecular Weight: 131.134

Accurate Mass: 131.069477

Percentage Composition: C 36.64%; H 6.92%; N 32.04%; O 24.40%

Melting Point: Mp 131°

Solubility: Sol. H₂O, MeOH; insol. Et₂O, EtOH

Other Data: See also Asparagine [BCF96-C](#)