



Percentage Composition: C 36.38%; H 3.05%; O 60.57%

Physical Description: Cryst. (Et₂O/petrol)

Melting Point: Mp 188°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +117.8$ (c, 2.6 in EtOH)

>> **Derivative:** Mono-Et ester

CAS Registry Number: 89886-73-7

Molecular Formula: C₆H₈O₅

Molecular Weight: 160.126

Accurate Mass: 160.037175

Percentage Composition: C 45.01%; H 5.04%; O 49.96%

Physical Description: Solid

>> **Derivative:** Di-Et ester

CAS Registry Number: 73890-18-3

Molecular Formula: C₈H₁₂O₅

Molecular Weight: 188.18

Percentage Composition: C 51.06%; H 6.43%; O 42.51%

Optical Rotation: $[\alpha]_{\text{D}}^{27} +93.9$ (c, 0.36 in CHCl₃). $[\alpha]_{\text{D}}^{27} +108.4$ (c, 0.289 in Et₂O)

>> **Variant:** (2*RS*,3*RS*)-form

Synonym(s): (±)-*trans*-form

CAS Registry Number: 141-36-6

Extra CAS Registry Numbers(s): 22734-83-4

Molecular Formula: C₄H₄O₅

Molecular Weight: 132.073

Accurate Mass: 132.005875

Percentage Composition: C 36.38%; H 3.05%; O 60.57%

Physical Description: Prisms (Et₂O)

Melting Point: Mp 209 dec.°

pKa Value: p*K*_{a1} 1.93; p*K*_{a2} 3.25 (19°)

>> **Derivative:** Di-Me ester

CAS Registry Number: 7403-10-3

Extra CAS Registry Numbers(s): 66647-31-2

Boiling Point: Bp_{1.5} 150°

>> **Variant:** (2*RS*,3*SR*)-form

Synonym(s): *cis*-form

CAS Registry Number: 16533-72-5

Molecular Formula: C₄H₄O₅

Molecular Weight: 132.073

Accurate Mass: 132.005875

Percentage Composition: C 36.38%; H 3.05%; O 60.57%

Melting Point: Mp 150°

pKa Value: p*K*_{a1} 1.94; p*K*_{a2} 3.92 (18°)

Aldrich: 46705-7

>> **Derivative:** Monomorphine salt

Melting Point: Mp 180 dec.°

>> **Derivative:** Di-Me ester

CAS Registry Number: 56958-97-5

Boiling Point: Bp₁ 112°

References: