



Molecular Weight: 436.555
Accurate Mass: 436.193948
Percentage Composition: C 88.04%; H 5.54%; N 6.42%
Physical Description: Amorph. solid
Optical Rotation: $[\alpha]_{\text{D}} +63.4$ (c, 0.4 in THF)

>>**Variant:** (S)-form

CAS Registry Number: 18531-95-8
Molecular Formula: $\text{C}_{20}\text{H}_{16}\text{N}_2$
Molecular Weight: 284.36
Accurate Mass: 284.131348
Percentage Composition: C 84.48%; H 5.67%; N 9.85%
Physical Description: Cryst.
Melting Point: Mp 243° (235-239°)
Optical Rotation: $[\alpha]_{\text{D}}^{20} -149$ (Py). $[\alpha]_{\text{D}}^{19} -46$ (2M HCl)
Aldrich: 38243-4
Fluka: 32788

>>**Derivative:** *N,N'*-Di-Ac

Molecular Formula: $\text{C}_{24}\text{H}_{20}\text{N}_2\text{O}_2$
Molecular Weight: 368.434
Accurate Mass: 368.152478
Percentage Composition: C 78.24%; H 5.47%; N 7.60%; O 8.69%
Physical Description: Prisms (C_6H_6)
Melting Point: Mp 226-227°
Optical Rotation: $[\alpha]_{\text{D}}^{25} +10.8$ (c, 1 in THF)

>>**Variant:** (±)-form

CAS Registry Number: 79082-81-8
Molecular Formula: $\text{C}_{20}\text{H}_{16}\text{N}_2$
Molecular Weight: 284.36
Accurate Mass: 284.131348
Percentage Composition: C 84.48%; H 5.67%; N 9.85%
Physical Description: Silvery plates (EtOH)
Melting Point: Mp 193.2-194.5° (191°)

>>**Derivative:** Picrate

Physical Description: Brownish-yellow plates (C_6H_6)
Melting Point: Mp 185 dec.°

>>**Derivative:** *N,N'*-Di-Ac

Molecular Formula: $\text{C}_{24}\text{H}_{20}\text{N}_2\text{O}_2$
Molecular Weight: 368.434
Percentage Composition: C 78.24%; H 5.47%; N 7.60%; O 8.69%
Physical Description: Cubes (EtOH)
Melting Point: Mp 235-236°

>>**Derivative:** *N,N'*-Dibenzoyl

Molecular Formula: $\text{C}_{34}\text{H}_{24}\text{N}_2\text{O}_2$
Molecular Weight: 492.576
Accurate Mass: 492.183778
Percentage Composition: C 82.91%; H 4.91%; N 5.69%; O 6.50%
Physical Description: Prisms (PhNO_2)
Melting Point: Mp 235°

>>**Derivative:** *N,N'*-Di-Ph

CAS Registry Number: 17704-02-8
Physical Description: Cryst. (CCl_4 /hexane)
Melting Point: Mp 169-170°

References: