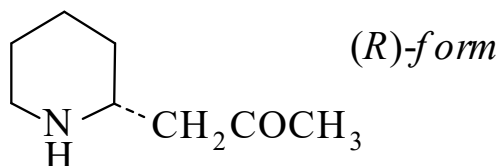




>>Entry Name: Pelletierine

ENTRY UNDER REVIEW

Synonym(s): 1-(2-Piperidiny1)-2-propanone, 9Cl. 2-Acetylpipepidine. Isopelletierine. 8-Methylnorlobelone



CAS Registry Number: 4396-01-4

Molecular Formula: C₈H₁₅NO

Molecular Weight: 141.213

Accurate Mass: 141.115364

Percentage Composition: C 68.04%; H 10.71%; N 9.92%; O 11.33%

Use/Importance: Anthelmintic agent

Calculated Log P Data: Log P 0.56 (calc)

>>Variant: (R)-form

CAS Registry Number: 2858-66-4

Molecular Formula: C₈H₁₅NO

Molecular Weight: 141.213

Accurate Mass: 141.115364

Percentage Composition: C 68.04%; H 10.71%; N 9.92%; O 11.33%

Biological Source: Alkaloid from *Punica granatum* (pomegranate) (Punicaceae)

Physical Description: Liq.

Optical Rotation: $[\alpha]_{\text{D}}^{23} -18.1$ (c, 8.18 in EtOH)

Other Data: The isoln. of the (R)-form is doubtful in view of its ready racemisation and of the fact that the opt. rotn. recorded for the isolate exceeded that of the resolved base

>>Derivative: Picrate

Melting Point: Mp 131-132°

>>Derivative: N-Me

Molecular Formula: C₉H₁₇NO

Molecular Weight: 155.239

Accurate Mass: 155.131014

Percentage Composition: C 69.63%; H 11.04%; N 9.02%; O 10.31%

Optical Rotation: $[\alpha]_{\text{D}}^{14} -51.5$ (c, 4.8 in EtOH)

>>Variant: (S)-form

CAS Registry Number: 2858-67-5

Molecular Formula: C₈H₁₅NO

Molecular Weight: 141.213

Accurate Mass: 141.115364

Percentage Composition: C 68.04%; H 10.71%; N 9.92%; O 11.33%

Source/Synthesis: Synthetic

Physical Description: Liq.

Optical Rotation: $[\alpha]_{\text{D}}^{23} +17.9$ (c, 9.41 in EtOH aq.)