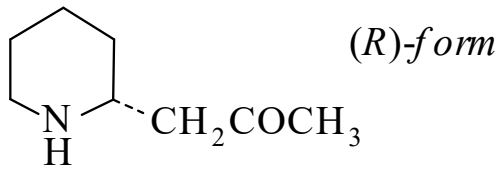
>>**Entry Name: Pelletierine**
ENTRY UNDER REVIEW
Synonym(s): 1-(2-Piperidinyl)-2-propanone, 9Cl. 2-Acetonylpiperidine. Isopelletierine. 8-Methylnorlobelone



CAS Registry Number: 4396-01-4

Molecular Formula: $C_8H_{15}NO$
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: $C_8H_{15}NO$
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: $[\alpha]_D^{23}$–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: $C_9H_{17}NO$
Molecular Weight: 155.239
Accurate Mass: 155.131014
Percentage Composition: C 69.63%; H 11.04%; N 9.02%; O 10.31%
Optical Rotation: $[\alpha]_D^{14}$–51.5 (c, 4.8 in EtOH)

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

CAS Registry Number: 2858-67-5
Molecular Formula: $C_8H_{15}NO$
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: $[\alpha]_D^{23}$+17.9 (c, 9.41 in EtOH aq.)