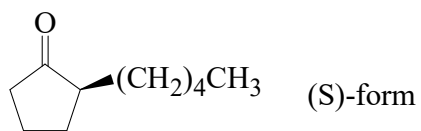




>>Entry Name: 2-Pentylcyclopentanone, 9CI

Synonym(s): Delphone



CAS Registry Number: 4819-67-4

Related CAS Registry Numbers(s): 133338-08-6

Molecular Formula: C<sub>10</sub>H<sub>18</sub>O

Molecular Weight: 154.252

Accurate Mass: 154.135765

Percentage Composition: C 77.87%; H 11.76%; O 10.37%

>>Variant: (S)-form

CAS Registry Number: 133338-07-5

Molecular Formula: C<sub>10</sub>H<sub>18</sub>O

Molecular Weight: 154.252

Accurate Mass: 154.135765

Percentage Composition: C 77.87%; H 11.76%; O 10.37%

Optical Rotation:  $[\alpha]_D^{35} +55.82$  (c, 1.83 in MeOH) (98% ee)

>>Variant: (±)-form

CAS Registry Number: 116877-29-3

Molecular Formula: C<sub>10</sub>H<sub>18</sub>O

Molecular Weight: 154.252

Accurate Mass: 154.135765

Percentage Composition: C 77.87%; H 11.76%; O 10.37%

Use/Importance: Fragrance ingredient with a jasmine aroma

Physical Description: Oil

Boiling Point: Bp<sub>10</sub> 90°

#### References:

Ohta, T. *et al.*, *J.O.C.*, 1995, **60**, 357-363, (*synth*)

Mino, T. *et al.*, *J.O.C.*, 1997, **62**, 2633-2635, (*synth, ir, pmr*)