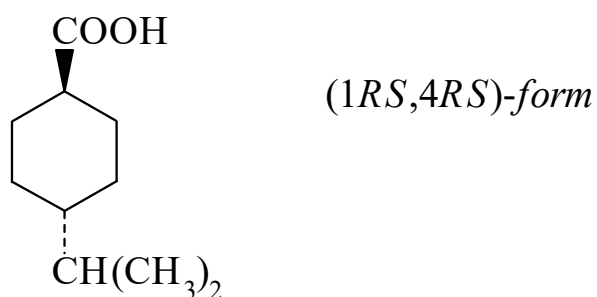




>>Entry Name: 4-Isopropylcyclohexanecarboxylic acid

Synonym(s): 4-(1-Methylethyl)cyclohexanecarboxylic acid, 9CI. *p*-Menthane-7-carboxylic acid



CAS Registry Number: 62067-45-2

Molecular Formula: C<sub>10</sub>H<sub>18</sub>O<sub>2</sub>

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

>>Variant: (1*R*,4*R*)-form

Synonym(s): *trans*-form

CAS Registry Number: 7077-05-6

Molecular Formula: C<sub>10</sub>H<sub>18</sub>O<sub>2</sub>

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Physical Description: Cryst. (formic acid)

Melting Point: Mp 94-94.5°

>>Derivative: *p*-Bromophenacyl ester

Physical Description: Cryst.

Melting Point: Mp 108-108.5°

>>Variant: (1*R*,4*S*)-form

Synonym(s): *cis*-form

CAS Registry Number: 7084-93-7

Molecular Formula: C<sub>10</sub>H<sub>18</sub>O<sub>2</sub>

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Physical Description: Cryst. (Me<sub>2</sub>CO)

Melting Point: Mp 40-41°

>>Derivative: *p*-Bromophenacyl ester

Physical Description: Cryst.

Melting Point: Mp 85-85.5°

References:

van Bekkum, H. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1962, **81**, 833, (*synth, bibl*)

Shinkai, H. *et al.*, *J. Med. Chem.*, 1989, **32**, 1436, (*synth*)