



CERTIFICATE OF ANALYSIS

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1. Identification

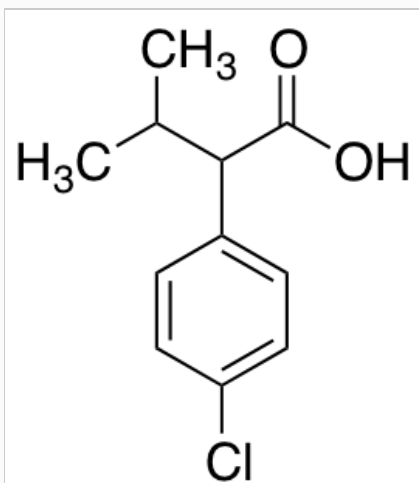
Catalogue Number: C375428

CAS Number: 2012-74-0

Product: 2-(4-Chlorophenyl)-3-methylbutanoic Acid

Synonym: 4-Chloro- α -(1-methylethyl)benzeneacetic Acid; (RS)-2-(4-Chlorophenyl)-3-methylbutyric Acid; (RS)-Fenvaleric Acid; ($\pm$)-2-(4-Chlorophenyl)-3-methylbutanoic Acid; ($\pm$)-2-(4-Chlorophenyl)-3-methylbutyric Acid; ($\pm$)-2-(4-Chlorophenyl)isovaleric Acid; ($\pm$)-2-(p-Chlorophenyl)-3-methylbutyric Acid; ($\pm$)-Fenvaleric Acid; ($\pm$)- α -Isopropyl-4-chlorophenylacetic Acid; 2-(4-Chlorophenyl)-3-methylbutanoic Acid; 2-(4-Chlorophenyl)-3-methylbutyric Acid; 2-(4-Chlorophenyl)isovaleric Acid; 2-(p-Chlorophenyl)-3-methylb

Structure:



Molecular Formula:

C₁₁H₁₃ClO₂

Molecular weight:

212.67

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly)

Lot Number: 59-GHZ-152-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 61.99, %H: 6.12
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+0.2° (c = 0.5, Chloroform)
GC	Report Result	99.74%

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Chanell Chu	1/14/2022	1/12/2026
