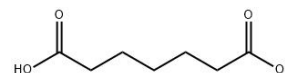


Technical Data Sheet

Pimelic acid

Compound Information

Product Name:	Pimelic acid
CAS No.:	111-16-0
Molecular Formula:	C ₇ H ₁₂ O ₄
Molecular Weight:	160.17
Storage:	Store at RT
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Description	Pimelic acid is the organic compound and its derivatives are involved in the biosynthesis of the amino acid called lysine.
Form	Powder
Color	White to slightly beige
PH	3.77(1 mM solution);3.25(10 mM solution);2.74(100 mM solution)
Melting Point	103-105 °C(lit.)
Water Content (Karl Fisher)	≤ 0.5%
Purity by GC	≥ 99%
Solubility	DMSO 90 mg/mL; Water 90 mg/mL
MS	Pass test
1H NMR	Pass test
13C NMR	Pass test
IR	Pass test
Raman	Pass test

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