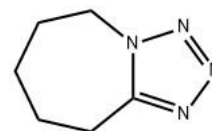


Technical Data Sheet

Pentetrazol

Compound Information

Product Name:	Pentetrazol
CAS No.:	54-95-5
Molecular Formula:	C ₆ H ₁₀ N ₄
Molecular Weight:	138.17
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Native Source	Synthetic
Appearance	Off-white solid
Isotopic Purity	99.3%
Purity (TLC)	98%
Atmosphere	Air
Melting Point	59-61 °C (lit.)
Solubility	≥15.38 mg/mL in EtOH; ≥6.3 mg/mL in DMSO; ≥83.2 mg/mL in H ₂ O
Carbon Content	49.97%
Hydrogen Content	6.99%
Nitrogen Content	38.85%
MS	Pass test
¹H NMR	Pass test
¹³C NMR	Pass test
IR	Pass test
Raman	Pass test

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