

Technical Data Sheet

Histamine

Compound Information

Product Name:	Histamine
CAS No.:	51-45-6
Molecular Formula:	C ₅ H ₉ N ₃
Molecular Weight:	111.15
Storage:	Powder -20°C 3 years; 4°C 2 years In solvent -80°C 6 months; -20°C 1 month
Revision Date:	2026-04-15

Analytical Information

Tests	Specifications
Description	Histamine is an endogenous ligand for histamine receptors, which can cause allergic reactions by interacting with H1 receptors, promote acid secretion by interacting with H2 receptors, as well as inhibit histamine release and modulate immune responses by
Form	Solid
Color	White to light yellow
Purity (NMR)	96%
Purity (HPLC)	100%
Melting Point	83-84 °C (lit.)
Solubility	34 mg/mL in water
MS	Pass test
1H NMR	Pass test
13C NMR	Pass test
IR	Pass test
Raman	Pass test

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