

## SPECIFICATION

### Dopamine Hydrochloride

Parameters	Specification
CAS Number	62-31-7
Appearance	White to off-white crystalline powder
Molecular Formula	C <sub>8</sub> H <sub>12</sub> ClNO <sub>2</sub>
Molecular Weight	189.65 g/mol
Boiling Point	300 °C
Melting Point	190 °C
Flash Point	125 °C
Purity	98–99%
Refractive Index	1.54
Solubility	Highly soluble in water; soluble in methanol; sparingly soluble in ethanol; insoluble in nonpolar solvents.
Uses	Used as a neurotransmitter precursor and pharmaceutical agent; employed in research and clinical practice for dopamine-related disorders.