

SPECIFICATION

Imidacloprid

Parameters	Specification
CAS Number	138261-41-3
Appearance	White to off-white crystalline solid
Molecular Formula	C9H10ClN5O2
Molecular Weight	255.66 g/mol
Boiling Point	320 °C
Flash Point	150 °C
Purity	98–99%
Refractive Index	1.56
Solubility	0.65 g/L (water, 25 °C)
Uses	Systemic insecticide used against sap-sucking pests on crops including cereals, fruits, and vegetables; commonly used as seed treatment and foliar spray.