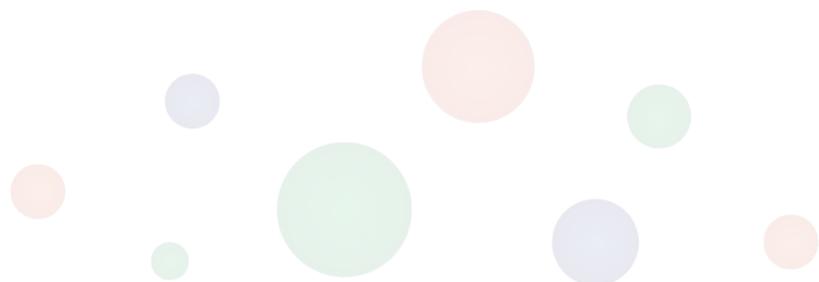


## SPECIFICATION

### 4-Bromo-2,2-Diphenylacetonitrile

Parameters	Specification
CAS Number	39186-58-8
Appearance	White to off-white crystalline solid
Molecular Formula	C <sub>16</sub> H <sub>14</sub> BrN
Molecular Weight	271.12 g/mol
Boiling Point	320 °C
Melting Point	135 °C
Flash Point	140 °C
Purity	98–99%
Refractive Index	1.585
Solubility	Soluble in organic solvents (chloroform, acetone, ethyl acetate); insoluble in water
Uses	Intermediary for organic synthesis; precursor for aryl nitrile derivatives and cross-coupling reactions



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