

## SPECIFICATION

### Methotrexate

Parameters	Specification
CAS Number	59-05-2
Appearance	White crystalline powder
Molecular Formula	C <sub>20</sub> H <sub>22</sub> N <sub>8</sub> O <sub>5</sub>
Molecular Weight	454.45 g/mol
Boiling Point	360 °C
Melting Point	201 °C
Flash Point	300 °C
Purity	98–99%
Refractive Index	1.64
Solubility	Sparingly soluble in water; soluble in methanol and DMSO
Uses	Antineoplastic antifolate chemotherapy agent; inhibits dihydrofolate reductase

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