

Dimethyl Maleate:

Molecular formula: C₁₂H₂₂O₄

Molecular weight: 230.31

CAS no. : 106-79-6

EINECS no. : 203-431-4

Properties: colorless to pale yellow liquid or needle crystal with diamond.

Density (g/mL, 20/4 DCS) : 0.986

Relative vapor density (g/mL, air =1) : 7.95

Melting point (dc) : 28

Boiling point (DCS, atmospheric pressure) : 284

Relative density (25 °C, 4 °C) : 0.988228

Room temperature refractive index (n₂₅) : 1.435528

Flash point (dc) : 145

Saturated vapor pressure (kPa, sub/104.0 C) : 0.13

Solubility: insoluble in water and soluble in ether.

Application:

It can be used as plasticizer, softener and solvent for cellulose resin, ethylene resin and synthetic rubber. It is widely used as the main raw material of UV-770, UV-750, UV-123 etc. It can also be used as an intermediate in organic synthesis