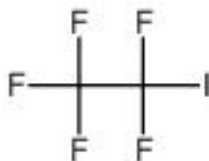


FC-001 (CAS 354-64-3) Pentafluoroethyl iodide



Basic Information	<p>Cas: 354-64-3</p> <p>Name: Iodopentafluoroethane, pentafluoroethyl iodide;PERFLUOROETHYL IODIDE;iodopentafluoroethane;Pentafluoroiodoethane;Iodoperfluoroethane;perfluoroiodoethane;C2F5I;1-iodoperfluoroethane;Perfluorethyl iodide;perfluoroethyl;1-iodo-pentafluoro-ethane;Pentafluoroethyl iodide;</p> <p>Molecular formula: C2F5I</p> <p>Mol. wt.: 245.91800</p> <p>Exact Mass: 245.89600</p> <p>PSA: 0.00000</p> <p>LOGP: 2.57650</p>
Physical index	<p>Appearance: Colorless clear liquid or gas</p> <p>Density (g/cm³): 2.085 g/mL at 25 °C(lit.)</p> <p>Boiling point (°C): 12-13 °C(lit.)</p> <p>Melting point: -92°C</p> <p>Flash(ing) point: None</p> <p>Refractive index: n₂₀/D 1.339(lit.)</p> <p>Stability: Stability Risk of explosion if heated under confinement. Incompatible with strong oxidizing agents, aluminium.</p> <p>Storage condition: 0-6°C</p> <p>vapor pressure: 738.9 mm Hg (10 °C)</p>
Security Information	<p>RTECS NO.: KI6397500</p> <p>Safety instruction: S7-S26-S37/39-S38</p> <p>Hazard class code: R36/37/38; R44</p> <p>WGK Germany: 3</p> <p>HS code: 2903799090</p> <p>Dangerous Goods Transport Code: UN 1956 2.2</p> <p>Hazard category: 6.1(b)</p>

Packing grade: III
Dangerous mark: Xi
Hazard prevention statement: P261; P305 + P351 + P338; P410 + P403
Signal word: Warning
Danger sign: GHS04, GHS07
Risk description: H280; H315; H319; H335

Production methods and application	<p>Production method</p> <p>It is prepared by reacting tetrafluoroethylene with iodine and iodine pentafluoride under the catalysis of antimony pentafluoride</p> <p>Use</p> <p>Mainly used for telomerization and as a raw material for fine chemical products.</p>
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