

## Hexafluoroisopropanol (HFIP)

CAS No. 920-66-1

Hexafluoroisopropanol (HFIP) is an acidic alcohol and due to its strong hydrogen bonding properties it can be used as a solvent for many different kinds of polymers. It is used as an intermediate to prepare pharmaceuticals.

### Specifications

Assay by Gas Chromatography	99.9% minimum
Fluoride	10 ppm maximum
Chloride	50 ppm maximum
Water	100 ppm maximum
Appearance	Water white liquid

### Physical Properties

Chemical Formula:	$(CF_3)_2CHOH$
Mol. Wt.:	168.04
Boiling Pt.:	59 °C
Melting Pt.:	-4 °C
Density:	1.6 g/mL at 25 °C
Appearance:	Water white clear liquid
Solubility in water:	Soluble

### Packaging

Contact Customer Service

### Typical chemistry and uses

Hexafluoroisopropanol is used as a building block to prepare synthetic pharmaceuticals. It is useful for the preparation of fluorinated esters of polyacrylate and polymethacrylate polymers. It is used as a solvent for various polymers. It is very useful as a solution phase peptide chemistry solvent.

Hexafluoroisopropanol is used as a raw material in the preparation of the inhalation anesthetic sevoflurane.



**Production of Fluoromethyl-2,2,2-trifluoro-1-(trifluoromethyl) ethyl ether**

US 6,469,219, 2002, Halocarbon Products Corporation

