

[Open Peer Review on Qeios](#)

Sulfur Hexafluoride

National Cancer Institute

Source

National Cancer Institute. *Sulfur Hexafluoride*. NCI Thesaurus. Code C84187.

A contrast agent composed of an inorganic fluorinated inert gas comprised of six fluoride atoms bound to one sulfur atom, with potential diagnostic activity upon imaging. Upon inhalation of sulfur hexafluoride (SF₆), the gas is distributed throughout the lungs. Upon subsequent ultrasound imaging, the lung vasculature can be imaged and pulmonary perfusion can be assessed.