

Open Peer Review on Qeios

Oxygen 15-labeled Oxygen

National Cancer Institute

Source

National Cancer Institute. <u>Oxygen 15-labeled Oxygen</u>. NCI Thesaurus. Code C119710.

A radiopharmaceutical comprised of oxygen-15 labeled oxygen (15O-O2) used as a tracer molecule during positron emission tomography (PET). Upon inhalation, 15O-O2 binds to hemoglobin in the blood and the labeled red blood cells distribute throughout the vasculature in the body. Upon PET imaging, 15O-O2 can be used to determine both the oxygen extraction fraction (OEF) and the metabolic rate of oxygen.

Qeios ID: KHNLAI · https://doi.org/10.32388/KHNLAI