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Zirconium Zr 89-labeled Envafolimab

National Cancer Institute

Source

National Cancer Institute. *Zirconium Zr 89-labeled Envafolimab*. NCI Thesaurus. Code C162860.

A radioimmunoconjugate composed of envafolimab, a monoclonal antibody directed against programmed cell death-1 ligand 1 (PD-L1; cluster of differentiation 274; CD274) and labeled with the radioisotope zirconium Zr 89, with potential use for assessing PD-L1 tumor antigen expression using positron emission tomography (PET). Upon administration of zirconium Zr 89-labeled envafolimab, the envafolimab moiety targets and binds to the PD-L1 expressed on certain tumor cells. Upon uptake and PET imaging, the radioisotope moiety can be visualized and the extent of PD-L1 expression can be assessed. This can be used to predict the therapeutic response to envafolimab and other PD-L1-targeting agents.