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# Gallium Ga 68 NODAGA-CBP8

National Cancer Institute

## Source

National Cancer Institute. *Gallium Ga 68 NODAGA-CBP8*. NCI Thesaurus. Code C157635.

A radiotracer composed of CBP8, a collagen-targeting peptide, linked via a tris(tert-butyl) ester-protected 1,4,7-triazacyclononane,1-glutaric acid-4,7-acetic acid (NODAGA) chelator, to the radioisotope gallium Ga 68, with potential imaging activity upon positron emission tomography/computed tomography (PET/CT). Upon administration, gallium Ga 68 NODAGA-CBP8 selectively binds with high affinity to collagen type 1. Upon PET/CT imaging, gallium Ga 68 NODAGA-CBP8 can be used to detect lung fibrosis, which is characterized by excess deposition of collagens, primarily type 1 collagen, and other extracellular matrix proteins in the parenchyma.