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# Gallium Ga 68-NeoB

National Cancer Institute

## Source

National Cancer Institute. *Gallium Ga 68-NeoB*. NCI Thesaurus. Code C154381.

A radioconjugate consisting of the gastrin-releasing peptide receptor (GRPR) antagonist, NeoBOMB1, linked via the chelating agent, dodecanetetraacetic acid (DOTA), to the beta-emitting radioisotope gallium Ga 68, with potential imaging activity during positron emission topography/computed tomography (PET/CT). Upon administration, gallium Ga 68-DOTA-NeoBOMB1 binds to GRPRs present on cancer cells. Upon binding, this radioconjugate can be used to quantify tumor uptake of NeoBOMB1 using PET/CT. GRPR, also known as bombesin receptor subtype 2, is a G-protein-coupled receptor that is overexpressed in some cancer types.