BRING THIS TO YOUR DOCTOR · GREY PEPTIDES

Gallium Ga 68 dotatate

Also called: Netspot; 68Ga-DOTATATE; Gallium oxodotreotide; Ga-68 DOTATATE

What it is

A gallium-68-labelled octreotate peptide for PET imaging of neuroendocrine tumours, approved as the Netspot kit (2016).

Approval status

FDA Approved. Approved in the US as Netspot (kit for the preparation of gallium Ga 68 dotatate injection), NDA 208547, on June 1, 2016 (Drugs@FDA via openFDA and the Netspot label effective July 6, 2026, read October 3, 2026).

Dosing, as printed in the page's Recommended Dosing box

Manufacturer's recommended dosing (FDA label)

From the prescribing information. Other doses studied, if any, are in the full dosing data below.

Protocol and source	Dose	Frequency	Duration	Route
Label: PET localisation of somatostatin receptor-positive neuroendocrine tumours, adults and children **[Approved label]** Netspot (kit for the preparation of gallium Ga 68 dotatate injection) US prescribing information (Novartis; DailyMed set b2b3be70, effective July 6, 2026)	2 MBq/kg (0.054 mCi/kg), maximum 200 MBq (5.4 mCi)	Single injection	One scan	Intravenous bolus

Educational information, not medical advice. Each dose above is tagged with its source: an approved label, a published human study, animal data, or amounts reported by users. None is a recommendation for you. An unapproved compound has no established safe or effective human dose, and products sold for "research use only" are not made or tested for people. Talk to a doctor before acting on anything on this site, including before you start, stop or change any medicine or dose.

Key human evidence

The first 3 of the 12 human studies carded on the page (12 study cards in all):

• **Diagnostic accuracy meta-analysis** (Human, 2013). Across ten studies of 416 patients, pooled per-patient sensitivity was 96% and specificity 100% for gallium-68 DOTATATE PET (93% and 85% for DOTATOC), with an area under the curve of 0.98. **PMID 23928010**

• **Against indium-111 octreotide and conventional imaging** (Human, 2016). A systematic review of 42 eligible studies found gallium-68 DOTATATE more sensitive than indium-111 octreotide in same-patient comparisons, with estimated sensitivity 90.9% and specificity 90.6% against conventional imaging; possible harms were rare (6 of 974) and no major toxicity was reported. **PMID 26769864**

• **Effect on management: referring physicians' view** (Human, 2015). In 88 patients, referring physicians reported intended management changes after gallium-68 DOTATATE PET/CT in 60%; 23% scheduled for chemotherapy were switched to treatments without chemotherapy. **PMID 25500825**

Interactions

From the FDA label's drug-interaction section (Advanced Accelerator Applications. NETSPOT (kit for gallium Ga 68 dotatate) US prescribing information, section 7. DailyMed version of July 6, 2026, read October 3, 2026):

• With somatostatin analogues (octreotide, lanreotide): compete for the same receptors and may affect imaging; image just before the next long-acting analogue dose (FDA label)

• With high-dose glucocorticoids: repeated high doses before the scan may affect imaging (FDA label)

Side effects and cautions

Reported side effects	Contraindications and cautions
• A diagnostic dose given once; imaging risks rather than drug effects dominate	• Radiation risk • Hypersensitivity reactions • Risk of image misinterpretation

Five questions to ask

1. Is Gallium Ga 68 dotatate right for me, and is the labelled dose on this sheet right for my weight, age, kidney and liver function?
2. Here are the medicines and supplements I take. Do any of them interact with Gallium Ga 68 dotatate? This sheet lists the interactions on record.
3. Which side effects should make me stop and call you, for example a diagnostic dose given once?
4. Do any of the cautions on this sheet apply to me, such as: Radiation risk?
5. What should we check before I start and while I am on it (blood tests, blood pressure, weight), and how often?

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