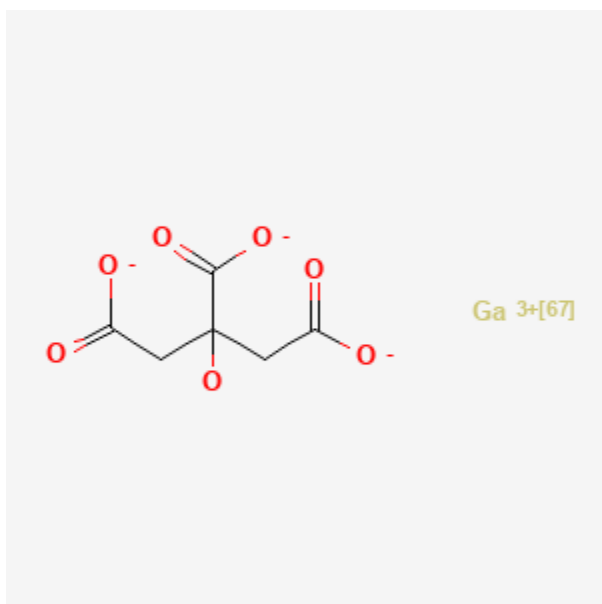




Gallium Citrate Ga 67

Revised: October 15, 2023.

CASRN: 41183-64-6



Drug Levels and Effects

Summary of Use during Lactation

Information in this record refers to the use of Ga 67 citrate as a diagnostic agent. Several international guidelines recommend discontinuation of breastfeeding for 3 to 4 weeks or complete cessation of breastfeeding after Ga 67 citrate.[1-4] If the mother wishes to resume nursing, the breasts should be emptied regularly and completely during the period of interruption. If the mother has expressed and saved milk prior to the examination, she can feed it to the infant during the period of nursing interruption.[3,5] The milk that is pumped by the mother during the time of breastfeeding interruption can either be discarded or stored frozen and given to the infant after 10 physical half-lives, or about 33 days, have elapsed.[3,5]

Disclaimer: Information presented in this database is not meant as a substitute for professional judgment. You should consult your healthcare provider for breastfeeding advice related to your particular situation. The U.S. government does not warrant or assume any liability or responsibility for the accuracy or completeness of the information on this Site.

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Mothers concerned about the level of radioactivity in their milk could ask to have it tested at a nuclear medicine facility at their hospital. When the radioactivity is at a safe level, she may resume breastfeeding. A method for measuring milk radioactivity and determining the time when a mother can safely resume breastfeeding has been published.[6] Mothers who receive a dose less than 190 MBq for an inflammation scan need not refrain from close contact with their infants.[7]

Drug Levels

Ga 67 decays by electron capture with principal photon energies of 93, 185 and 300 keV, and a physical half-life of 3.26 days.[4] The effective half-life of gallium 67 citrate ranges from 40 to 68 hours.[5,6]

Effects in Breastfed Infants

Relevant published information was not found as of the revision date.

Effects on Lactation and Breastmilk

Relevant published information was not found as of the revision date.

References

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5. Mountford PJ, Coakley AJ. A review of the secretion of radioactivity in human breast milk: Data, quantitative analysis and recommendations. Nucl Med Commun 1989;10:15-27. PubMed PMID: 2645546.
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Substance Identification

Substance Name

Gallium Citrate Ga 67

CAS Registry Number

41183-64-6

Drug Class

Breast Feeding

Lactation

Milk, Human

Radiopharmaceuticals

Gallium Radioisotopes

Diagnostic Agents