



Water O 15

Revised: October 15, 2023.

CASRN: 24286-21-3

Drug Levels and Effects

Summary of Use during Lactation

Information in this record refers to the use of water O 15 as a diagnostic agent. No information is available on the use of water O 15 during breastfeeding. United States and international authorities state that breastfeeding need not be interrupted after administration of radiopharmaceuticals containing oxygen-15.[1,2]

Drug Levels

Oxygen 15 decays by positron emission with a half-life of 122 seconds

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

1. Mattsson S, Johansson L, Leide Svegborn S, et al. Radiation dose to patients from radiopharmaceuticals: A compendium of current information related to frequently used substances. ICRP Publication 128. Annex D. Recommendations on breast-feeding interruptions. Ann ICRP 2015;44 (2 Suppl):7-321.
2. Dilsizian V, Metter D, Palestro C, Zanzonico P. Advisory Committee on Medical Uses of Isotopes (ACMUI) Sub-Committee on Nursing Mother Guidelines for the Medical Administration of Radioactive Material. Final report submitted: January 31, 2019. 2019. Available at: <https://www.nrc.gov/docs/ML1903/ML19038A498.pdf>

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Substance Identification

Substance Name

Water O 15

CAS Registry Number

24286-21-3

Drug Class

Breast Feeding

Lactation

Milk, Human

Radiopharmaceuticals

Oxygen Radioisotopes

Diagnostic Agents