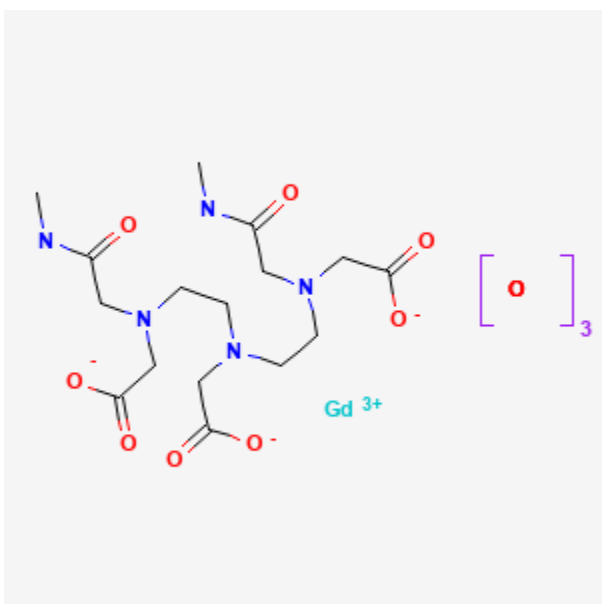




Gadodiamide

Revised: November 30, 2022.

CASRN: 122795-43-1



Drug Levels and Effects

Summary of Use during Lactation

Gadodiamide releases more free gadolinium than some other gadolinium-containing contrast agents. However, guidelines developed by several North American professional organizations state that breastfeeding need not be disrupted after a nursing mother receives a gadolinium-containing contrast medium.[1-3] Other agents may be preferred, especially while nursing a newborn or preterm infant.

Drug Levels

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

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

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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Effects in Breastfed Infants

A mother with neuromyelitis optica was nursing her 38-day-old male infant. Each breastfeeding session was about 15 minutes in every 2 hours. She was given gadodiamide (dose not specified) before an MRI scan. She withheld breastfeeding for 6 to 8 hours after the injection. Her infant experienced no immediate adverse effects. [4]

Effects on Lactation and Breastmilk

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

Alternate Drugs to Consider

Gadobenate, Gadobutrol, Gadopentetate, Gadoteridol, Gadoterate

References

1. Copel J, El-Sayed Y, Heine RP, et al. Committee Opinion No. 723: Guidelines for diagnostic imaging during pregnancy and lactation. *Obstet Gynecol.* 2017;130:e210–e216. PubMed PMID: 28937575.
2. European Society of Urogenital Radiology. ESUR guidelines on contrast media. 2018;Version 10.0. Available at: <http://www.esur-cm.org/index.php/en/>
3. American College of Radiology Committee on Drugs and Contrast Media. Administration of contrast media to breast-feeding mothers. In, ACR manual on contrast media. 2022;Version 2022:106-7. Available at: <https://www.acr.org/Clinical-Resources/Contrast-Manual>
4. Acar S, Keskin-Arslan E, Erol-Coskun H, et al. Gadodiamide use during breastfeeding. *Reprod Toxicol* 2018;80:59-60. [Abstract]. doi:10.1016/j.reprotox.2018.07.071

Substance Identification

Substance Name

Gadodiamide

CAS Registry Number

122795-43-1

Drug Class

Breast Feeding

Lactation

Milk, Human

Contrast Media

Diagnostic Agents