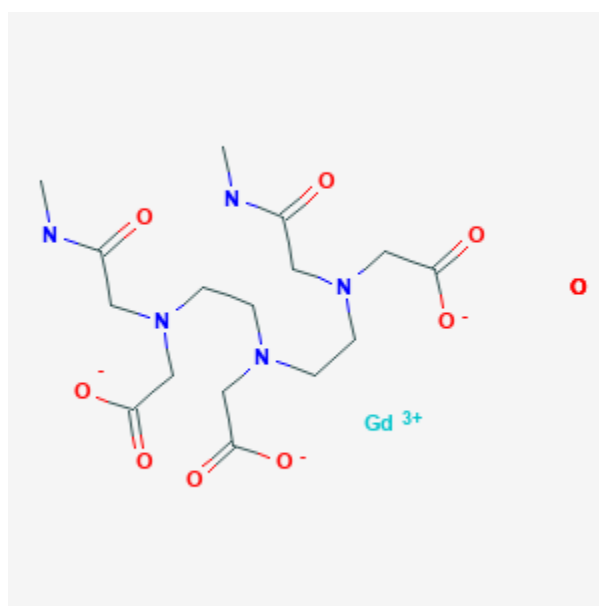




## Gadodiamide

Revised: February 28, 2019.

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][2][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.

## 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. [6]

## 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. American College of Radiology Committee on Drugs and Contrast Media. Administration of contrast media to breast-feeding mothers. In, ACR manual on contrast media. 2017;Version 10.3:102-3. Available at: <https://www.acr.org/~media/37D84428BF1D4E1B9A3A2918DA9E27A3.pdf>
2. Patenaude Y, Pugash D, Lim K et al. The use of magnetic resonance imaging in the obstetric patient. J Obstet Gynaecol Can. 2014;36:349-55. PubMed PMID: 24798674.
3. Committee Opinion No. 723: Guidelines for Diagnostic Imaging During Pregnancy and Lactation. Obstet Gynecol. 2017;130:e210-e216. PubMed PMID: 28937575.
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

Contrast Media

Diagnostic Agents