

# Gadolinium-148 Product Information

## Specifications

<b>Radioisotope</b>	<b>Gd-148</b>
<b>Half-Life/Daughter</b>	71.1 years to samarium-144
<b>Decay</b>	<a href="#">Decay Radiation Information (NNDC)</a>
<b>Chemical Form</b>	Gadolinium (III) in 0.1 N HCl
<b>Activity Concentration</b>	>37 kBq/mL (>1 µCi/mL)
<b>Radionuclidic Purity</b>	>95%
<b>Production Route</b>	Proton-induced spallation of tungsten or tantalum targets
<b>Processing</b>	Dissolution, extraction, and ion exchange
<b>Primary Container</b>	Glass bottle
<b>Availability</b>	Special order
<b>Unit of Sale</b>	Microcuries