

# Product Information

## Specifications

### Lutetium-177

<b>Half-Life/Daughter</b>	6.647 days to hafnium-177
<b>Decay</b>	<a href="#">Decay Radiation Information (NNDC)</a>
<b>Chemical Form</b>	Chloride solution (0.05 N HCl)
<b>Available Specific Activity</b>	2 products available, with specific activities as follows: <ul style="list-style-type: none"> <li>• <math>\geq 740</math> GBq/mg (<math>\geq 20</math> Ci/mg), routinely available*</li> <li>• <math>\geq 1850</math> GBq/mg (<math>\geq 50</math> Ci/mg), special order**</li> </ul>
<b>Radionuclide Purity</b>	$\geq 99\%$
<b>Production Route</b>	Neutron capture on enriched lutetium-176 target
<b>Processing</b>	Irradiated lutetium is dissolved in HCl and dispensed
<b>Primary Container</b>	Plastic screw-cap vial in nonreturnable container
<b>Availability</b>	*Routinely available from MURR production **Available via special order from ORNL, dependent on HFIR cycle
<b>Unit of Sale</b>	Millicuries

## Other Information