

# Actinium-227 Product Information

## Specifications

<b>Radioisotope</b>	<b>Ac-227</b>
<b>Half-Life/Daughter</b>	21.772 years to thorium-227 (98.6%) and francium-223 (1.38%)
<b>Decay</b>	<a href="#">Decay Radiation Information (NNDC)</a>
<b>Chemical Form</b>	Solid actinium nitrate
<b>Available Specific Activity</b>	2.68 TBq/g (72.32 Ci/g) no carrier added
<b>Radionuclidic Purity</b>	≥ 99% (excluding decay daughters)
<b>Radioisotopic Purity</b>	≥ 99%
<b>Production Route</b>	Reactor irradiation of radium-226 targets or legacy material
<b>Processing</b>	Chemical processing, including ion exchange separation
<b>Primary Container</b>	Glass vial or Zircaloy vial
<b>Availability</b>	Stock
<b>Unit of Sale</b>	Millicurie

## Other Information

- COA provided