

# Actinium-225 (Thorium-229 Decay Product) Product Information

## Specifications

<b>Radioisotope</b>	<b>Ac-225</b>
<b>Half-Life/Daughter</b>	9.920 days to francium-221
<b>Decay</b>	<a href="#">Decay Radiation Information (NNDC)</a>
<b>Chemical Form</b>	Solid actinium nitrate
<b>Radionuclidic Purity</b>	>98% Ac-225; <2% Ra-225
<b>Radioisotopic Purity</b>	100% Ac-225
<b>Production Route</b>	Decay of thorium-229
<b>Processing</b>	Separated by ion exchange and solvent extraction
<b>Primary Container</b>	Glass screw cap bottle in nonreturnable container
<b>Availability</b>	Routinely available (weekly); order far in advance due to limited supply
<b>Unit of Sale</b>	Millicuries

## Other Information

- Can also be supplied as a low-activity bismuth-213 generator