

Specifications

Actinium-225 (Thorium-229 Decay Product)

Half-Life/Daughter

9.920 days to francium-221

Decay

[Decay Radiation Information \(NNDC\)](#)

Chemical Form

Solid actinium nitrate

Radioisotopic Purity

100% Ac-225

Radionuclide Purity

>98% Ac-225; <2% Ra-225

Production Route

Decay of thorium-229

Processing

Separated by ion exchange and solvent extraction

Primary Container

Glass screw top V-vial in nonreturnable container

Availability

Routinely available (weekly); order far in advance due to limited supply

Unit of Sale

Millicuries

Other Information

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