

Actinium-225 (Accelerator-Produced) Product Information

Specifications

Radioisotope	Ac-225
Half-Life/Daughter	9.920 days to francium-221
Decay	Decay Radiation Information (NNDC)
Chemical Form	Solid actinium nitrate
Radionuclidic Purity	≥99% by activity (gamma spectroscopy), not including Ac-227 or daughter isotopes; ≤2% Ac-227 at shipment (value extrapolated from earlier runs)
Production Route	Proton bombardment of natural thorium target
Processing	Separated by ion exchange and extraction chromatography
Primary Container	Glass screw top V-vial in nonreturnable container
Availability	Routinely available every three weeks
Unit of Sale	Millicuries

Other Information

- CoA provided
- Can also be supplied as a bismuth-213 generator