

Actinium-227 Product Information

Specifications

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

Other Information

- COA provided