

Samarium-153 Product Information

Specifications

Radioisotope	Sm-153
Half-Life/Daughter	46.284 hours to europium-153
Decay	Decay Radiation Information (NNDC)
Chemical Form	Nitrate or chloride solid
Available Specific Activity	≤8.6 Ci/mg, varies by lot
Radionuclidic Purity	>99%
Production Route	Neutron capture on samarium enriched in samarium-152
Processing	Dissolve in HNO ₃ or HCl solution, gamma analysis, evaporate prior to shipping
Primary Container	Glass screw cap bottle in nonreturnable container
Availability	Special order
Unit of Sale	Millicuries