

Astatine-211 Product Information

Specifications

Radioisotope	At-211
Half-Life/Daughter	7.214 hours to polonium-211 and bismuth-207
Decay	Decay Radiation Information (NNDC)
Chemical Form	Sodium astatide in 0.05 N NaOH
Radionuclidic Purity	>99% At-211 (based on gamma spectroscopy, evaluated quarterly)
Radioisotopic Purity	>99.5% (based on gamma spectroscopy, evaluated quarterly)
Radiochemical Purity	≥85% (by area) Na[At-211]At; other At-211 species may be present (e.g. [At-211]astatate)
Production Route	Alpha irradiation of bismuth metal
Processing	Wet chemistry isolation
Primary Container	Screw-cap vial in approved DOT package
Availability	Special order
Unit of Sale	Millicuries
Grade	non-cGMP Grade