Product Information

Isotope Program
US Department of Energy

NIDC | NATIONAL ISOTOPE DEVELOPMENT CENTER
MANAGED BY THE U.S. DEPARTMENT OF ENERGY ISOTOPE PROGRAM

Specifications

Bromine-77

Half-Life/Daughter	57.0 hours to selenium-77 (stable)
Decay	Decay Radiation Information (NNDC)
Chemical Form	Ammonium bromide in 0.1 M NH4OH
Available Specific Activity	>Ammonium bromide in 0.1 M NH4OH
Activity Concentration	0.7 – 1.4 kBq/µL (25 - 50 µCi/µL) at time of shipment
Radionuclide Purity	>99.5%, <0.5% 76Br(t1/2+16h) at time of shipment
Production Route	Co77Se(p,n)77Br
Processing	Dry distillation, anion exchange purification
Primary Container	Screw cap plastic vial
Availability	Special order
Unit of Sale	Millicuries

Other Information

Minimum order of 5 mCi

Typical shipment in 200 µL 0.1 M NH4OH – other volume/matrices available on request

Calibration of stated activity is to the date/time of shipment for radioisotopes