

<b>Radioisotope</b>	<b>Chemical Form</b>	<b>Half-life</b>	<b>Emission</b>	<b>Application</b>
<sup>123</sup> I	I <sup>-</sup>	13.2 h	γ	SPECT imaging
<sup>124</sup> I	I <sup>-</sup>	4.2 d	β <sup>+</sup> /γ	PET imaging
<sup>131</sup> I	I <sup>-</sup>	8.0 d	β <sup>-</sup> /γ	SPECT imaging /radionuclide therapy
<sup>211</sup> At	At <sup>-</sup>	7.2 h	α	Radionuclide therapy
<sup>99m</sup> Tc	TcO <sub>4</sub> <sup>-</sup>	6.0 h	γ	SPECT imaging
<sup>186</sup> Re	ReO <sub>4</sub> <sup>-</sup>	90.6 h	β <sup>-</sup> /γ	Radionuclide therapy
<sup>188</sup> Re	ReO <sub>4</sub> <sup>-</sup>	17.0 h	β <sup>-</sup> /γ	Radionuclide therapy
<sup>18</sup> F	BF <sub>4</sub> <sup>-</sup>	109.8 min	β <sup>+</sup>	PET imaging

Radioisotopes used for theranostic applications and reporter gene imaging with NIS