

Catalogue Number	Product	Order number / Unit
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**1410 Fluoromisonidazole**

Reference standard for [<sup>18</sup>F]FMISO  
([<sup>18</sup>F]Fluoromisonidazole)

**Molar Mass:** 189.14

C<sub>6</sub>H<sub>8</sub>N<sub>3</sub>O<sub>3</sub>F

[13551-89-8]

Yellow crystals packaged in dark glass screw cap vials.

**Purity:** > 95 %

**Certificates:**

CoA; <sup>1</sup>H and <sup>19</sup>F NMR spectra.

**Chemical Name:**

CA index name: 1H-Imidazole-1-ethanol, α-(fluoromethyl)-2-nitro-

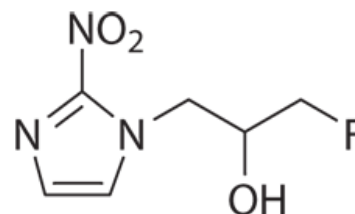
**Synonymes:**

1-Fluoro-3-(2-nitro-imidazol-1-yl)-propan-2-ol; FMISO

**Literature:**

1. Oh S.J. et al. Fully automated synthesis of [<sup>18</sup>F]fluoromisonidazole using a conventional [<sup>18</sup>F]FDG module. Nucl. Med. Biol. 2005, 32, 899-905.
2. Lim J. et al. An efficient radiosynthesis of [<sup>18</sup>F]Fluoromisonidazole. Appl. Radiat. Isot. 1993, 44, 1085-1091.
3. Martin G.V. et al. Noninvasive detection of hypoxic myocardium using (<sup>18</sup>F)Fluoromisonidazole and positron emission tomography. J. Nucl. Med. 1992, 33, 2202-2208.
4. Rasey J.S. et al. Radiolabeled fluoromisoindazole as an imaging agent for tumor hypoxia. Int. J. Radiat. Oncol. Biol. Phys. 1989, 17, 985-991.

1410.0010: 10 mg per vial  
Please inquire for customized filling and bulk quantities.



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