

Catalogue Number	Product	Order number / Unit
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**1420 Desmethylmisonidazole**

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

**Molar Mass:** 187.15

C<sub>6</sub>H<sub>9</sub>N<sub>3</sub>O<sub>4</sub>

[13551-92-3]

Yellow solid packaged in dark glass screw cap vials.

**Purity:** > 95 %

**Certificates:**

CoA; <sup>1</sup>H NMR spectrum

**Chemical Name:**

CA index name: 1,2-Propanediol, 3-(2-nitro-1H-imidazol-1-yl)-

**Synonymes:**

1,2-Propanediol, 3-(2-nitroimidazol-1-yl)-; 1-(2,3-Dihydroxypropyl)-2-nitro-1H-imidazole; 3-(2-Nitroimidazol-1-yl)-1,2-propanediol; DHPNI; Ro 5-9963; SR 1530

**Literature:**

1. Fong M.T. et al. Synthesis of 1-(2,3-dihydroxypropyl)-2-nitro-1H-imidazole-2-<sup>14</sup>C and N-(2-hydroxyethyl)-2-(2-nitro-1H-imidazolyl)-2-<sup>14</sup>C acetamide. J. Labelled Compd. Radiopharm. 1986, 23, 981-985.
2. Beaman A.G. et al. Studies in the nitroimidazole series III. 2-nitroimidazole derivatives substituted in the 1-position. Antimicrob. Agents Chemother. 1968, 520-530.

1420.0010: 10 mg per vial  
Please inquire for customized filling and bulk quantities.

