

Catalogue Number	Product	Order number / Unit
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**800****Cryptand 222**

Aminopolyether used to dissolve K<sup>+</sup> salts in nucleophilic [<sup>18</sup>F]labelling reactions

800.0015: 15 mg per vial  
800.0020: 20 mg per vial  
800.0025: 25 mg per vial  
800.0100: 100 mg per vial  
800.0250: 250 mg per vial  
800.1000: 1 g per vial  
Please inquire for customized filling and bulk quantities.

**Molar Mass:** 376.49

C<sub>18</sub>H<sub>36</sub>N<sub>2</sub>O<sub>6</sub>

[23978-09-8]

Colourless crystals packaged in dark glass crimp cap vials (8000.0015 and 8000.0020) or screw cap vials (8000.0100, 8000.0250, and 8000.1000).

**Purity:** > 99 %

**Certificates:**

CoA; <sup>1</sup>H NMR and IR spectra, GC-MS

**Chemical Name:**

CA index name: 4,7,13,16,21,24-Hexaoxa-1,10-diazabicyclo[8.8.8]hexacosane

**Synonymes:**

2,2,2-Crypt; 2,2,2-Cryptand; 2,2,2-Cryptate; Crypt-2,2,2; Cryptand 2.2.2; Cryptand C 222; Cryptate 222; Cryptating agent 222; Cryptofix 222; Kryptand 222; Kryptofix 222;

**Literature:**

1. Huang J.C. Comparison of Various Requirements of the Quality Assurance Procedures for <sup>18</sup>F-FDG Injection. J. Nucl. Med. 2002, 43, 1495-1506.
2. Lemaire C. et al. No-carrier-added regioselective preparation of 6-[<sup>18</sup>F]fluoro-L-DOPA. J. Nucl. Med. 1990, 31, 1247-51.
3. Moerlein S. et al. Elimination of contaminant Kryptofix 2.2.2 in the routine production of 2-[<sup>18</sup>F]fluoro-2-deoxy-D-glucose. Int. J. Rad. Appl. Instrum. [A] 1989, 40, 741-3.
4. Chaly T. et al. Thin layer chromatographic detection of Kryptofix 222 in the routine synthesis of [<sup>18</sup>F]2-fluoro-2-deoxy-D-glucose. Int. J. Rad. Appl. Instrum. [B] 1989, 16, 385-7.

