



MacroCyclics Certificate of Origin

General Product Data

Product: PCTA

Scientific Name: 3,6,9,15-Tetraazabicyclo[9.3.1]pentadeca-1(15),11,13-triene-3,6,9-triacetic acid

Catalog Number: M430

CAS Number: N/A

Theoretical Formula: $C_{17}H_{21}N_4O_6 \cdot 3Na \cdot 2H_2O$

Theoretical Formula Weight: 482.4g/mol

Country of Origin: United States

Product is of Synthetic Origin: Yes

Genetically Modified Organisms Used: No

Allergenic Materials (including latex) Used: No

Nitrosamines: Nitrosamines are not used in the manufacturing process.

Melamine: Melamine is not used in the manufacturing process.

BSE/TSE Comment: The manufacturing process does not use any raw material derived directly from bovine or any other animal/plant material. Furthermore, the manufacturing equipment has not been in contact with bovine or any other animal/plant material.

This information is considered accurate and reliable as of the date appearing on this document. It is presented in good faith. For further questions, please contact MacroCyclics Inc. at 469-786-6060.

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