



# Macrocylics Certificate of Origin

## General Product Data

**Product:** Tm-DOTP

**Scientific Name:** Thulium (III) 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetra  
(methylenephosphonate)

**Catalog Number:** M155

**CAS Number:** 30859-88-8

**Theoretical Formula:**  $\text{TmC}_{12}\text{H}_{24}\text{N}_4\text{O}_{12}\text{P}_4\text{Na}_5 \cdot 5\text{H}_2\text{O}$

**Theoretical Formula Weight:** 914.2 g/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 Macrocylics Inc. at 469-786-6060.

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