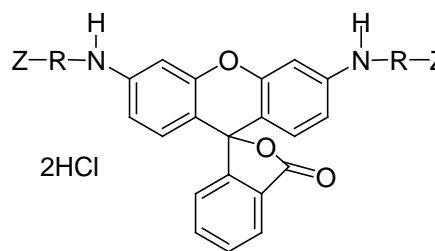


## PRODUCT AND SAFETY DATA SHEET

**PRODUCT NAME:** Rhodamine 110, bis-(N-CBZ-L-arginine amide), dihydrochloride (BZAR)**CATALOG #:** 10205**MOLECULAR INFORMATION:** C<sub>48</sub>H<sub>52</sub>Cl<sub>2</sub>N<sub>10</sub>O<sub>9</sub>  
MW: 983.91**PROPERTIES:**

**Color & Form** Off-white to pinkish solid  
**Purity** ≥ 99% by HPLC  
**Solubility** Soluble in DMSO  
**Absorption/Emission** 496 nm/520 nm (strong fluorescence)  
(end product R110)

**STORAGE AND HANDLING:**

Store desiccated at ≤ 4 °C. Protect from light.

**APPLICATION:**BZAR is a substrate for serine proteases,<sup>1-5</sup> and is also an inhibitor for quatinidinobenzoate.<sup>6</sup> It is 50 to 100 times more sensitive than the AMC-based substrate.Ref.: 1) *J Histochem Cytochem* **49**, 1473(2001); 2) *Biotechniques* **29**, 1108-1113 (2000); 3) *J Enzyme Inhib* **6**, 303(1992); 4) *Biochem Soc Trans* **18**, 632 (1990); 5) *J Cancer Res Clin Oncol* **116**, 57(1990); 6) *J Enzyme Inhib* **2**, 209(1988)**TOXICITY:**

Unknown.

**FIRST AID:**

Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.

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