Biotium

Supplier of fluorescent and related biochemical reagents for life science research and drug discovery
Glowing Products for Science™

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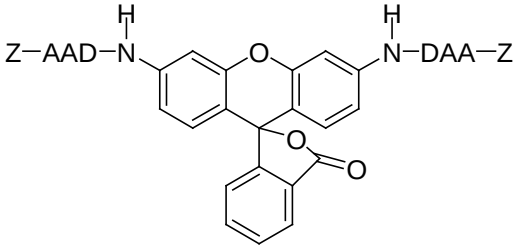
PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: **Z-AAD-R110**
(Rhodamine 110, bis-(*N*-CBZ-L-alanyl-L-alanyl-L-aspartic acid amide))

CATALOG #: **10211**

MOLECULAR INFORMATION: $C_{56}H_{56}N_8O_{17}$
MW: 1113.1



PROPERTIES:

Color & Form	Off-white to pinkish solid
Solubility	Soluble in DMSO
Absorption/Emission (of end product R110)	496 nm/520 nm

STORAGE AND HANDLING: Store at -20 °C. Protect from light.

APPLICATION: Z-AAD-R110 is a substrate for granzyme B. Granzyme B from T lymphocytes and natural killer cells induces apoptosis in target cells by activating caspases and causing mitochondrial cytochrome C release.

Ref.: 1) *J. Biol. Chem.* **276**, 6974(2001)

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.

Disclaimer: *Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use. Biotium is not liable for any damage resulting from handling or contact with this product.*