

D₂R

D₂R (Rhodamine 110, bis-(L-aspartic acid amide), ditrifluoroacetic acid salt) is a general substrate for caspases including caspases 3 and 7. Unlike other fluorogenic substrates for caspases, D2R appears to be membrane-permeant, and thus can be used to measure caspase activity in live cells without osmotic shock for flow cytometry studies, as well as for cell extracts.



Product attributes

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Excitation/Emission

496/520 nm (end product)

Product Description

D₂R (Rhodamine 110, bis-(L-aspartic acid amide), ditrifluoroacetic acid salt) is a general substrate for caspases including caspases 3 and 7. Unlike other fluorogenic substrates for caspases, D₂R appears to be membrane-permeant, and thus can be used to measure caspase activity in live cells without osmotic shock for flow cytometry studies, as well as for cell extracts. For real-time detection of caspase-3 activity in intact cells, see our novel NucView®488 Caspase-3 Substrate.

- Ex/Em of end product (R110) = 496/520 nm
- Off-white to pink solid soluble in DMSO
- Store at 4°C and protect from light
- C₃₂H₂₆F₆N₄O₁₃
- MW: 788.57

References

1. Biochemistry 38, 13906 (1999).

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