D2R

D_2R (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, D_2R 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.

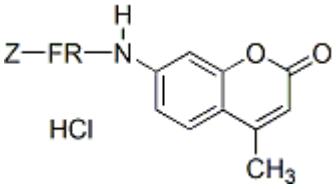
Product attributes

Excitation/Emission	496/520 nm (end product)

Product Description

D_2R (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, D_2R 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
- $C_{32}H_{26}F_6N_4O_{13}$
- MW: 788.57



References

1. Biochemistry 38, 13906 (1999).