D-Leu-Pro-Arg-Rh110-D-Pro TFA

Cat. No.: HY-P6023A

Molecular Formula: $C_{42}H_{51}N_9O_7.xC_2HF_3O_2$

Sequence: {d-Leu}-Pro-Arg-{Rh110}-{d-Pro}

Sequence Shortening: {d-Leu}-PR-{Rh110}-{d-Pro}

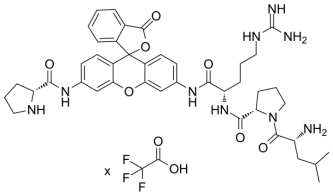
Target: Factor Xa

Pathway: Metabolic Enzyme/Protease

Storage: Sealed storage, away from moisture and light

Powder	-80°C	2 years
	-20°C	1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description

D-Leu-Pro-Arg-Rh110-D-Pro TFA is a substrate for Factor Xa I (FXIa) with binding affinity. D-Leu-Pro-Arg-Rh110-D-Pro TFA consists of Rhodamine 110 (HY-D0817) linked to a peptide chain through a cleavable bond. Cleavable bond cleavage enhances fluorophore intensity. D-Leu-Pro-Arg-Rh110-D-Pro TFA can be used to detect FXIa activity[1].

REFERENCES

[1]. Lorthiois E, et al. Structure-Based Design and Preclinical Characterization of Selective and Orally Bioavailable Factor XIa Inhibitors: Demonstrating the Power of an Integrated S1 Protease Family Approach. J Med Chem. 2020 Aug 13;63(15):8088-8113.

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