

Ac-Asp-Glu-Asp(EDANS)-Glu-Glu-Abu-ψ-(COO)Ala-Ser-Lys(DABCYL)-NH₂

Cat. No.:	HY-P5510
CAS No.:	188530-20-3
Molecular Formula:	C ₆₈ H ₈₉ N ₁₅ O ₂₅ S
Molecular Weight:	1548.58
Sequence:	Ac-Asp-Glu-{Asp(Edans)}-Glu-Glu-Abu-ψ-(COO)Ala-Ser-{Lys(Dabctl)}-NH ₂
Sequence Shortening:	Ac-DE-{Asp(Edans)}-EE-Abu-ψ-(COO)Ala-S-{Lys(Dabctl)}-NH ₂
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Ac-Asp-Glu-Asp(EDANS)-Glu-Glu-Abu-ψ-(COO)Ala-Ser-Lys(DABCYL)-NH₂ (HCV NS3 protease substrate) is a biological active peptide. (This peptide is a HCV protease substrate incorporating an ester bond between residues P1 and P1. Due to ready transesterification of the scissile bond to the acyl-enzyme intermediate, this substrate shows very high k_{cat}/K_m values, enabling detection of activity with subnanomolar nonstructural protein 3 (NS3 protease) concentrations. It is widely used for the continuous assay of NS3 protease activity. Substrate cleavage is proportional to the enzyme concentration with a detection limit for NS3 between 1 nM and 250 pM. Upon cleavage of this substrate, fluorescence can be monitored at Abs/Em = 355/500 nm.)

Caution: Product has not been fully validated for medical applications. For research use only.

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