

## RE(EDANS)EVNLDAEFK(DABCYL)R

<b>Cat. No.:</b>	HY-P4899
<b>CAS No.:</b>	310427-94-2
<b>Molecular Formula:</b>	C <sub>91</sub> H <sub>129</sub> N <sub>25</sub> O <sub>25</sub> S
<b>Molecular Weight:</b>	2005.22
<b>Sequence:</b>	Arg-{Glu(EDANS)}-Glu-Val-Asn-Leu-Asp-Ala-Glu-Phe-{Lys(DABCYL)}-Arg
<b>Sequence Shortening:</b>	R-{Glu(EDANS)}-EVNLDAEF-{Lys(DABCYL)}-R
<b>Target:</b>	Beta-secretase
<b>Pathway:</b>	Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

RE (EDANS) EVNLDAEFK (DABCYL) R is an EDANS and DABCYL double-labeled peptide that serves as a fluorescent substrate for BACE1 (Em=360nm, Ex=528nm). RE (EDANS) EVNLDAEFK (DABCYL) R can be used for BACE1 activity measurement and the enzyme activity level is directly proportional to the fluorescence reaction<sup>[1]</sup>.

### REFERENCES

[1]. Ortega A, et.al. Synthesis and evaluation of arylquinones as BACE1 inhibitors,  $\beta$ -amyloid peptide aggregation inhibitors, and destabilizers of preformed  $\beta$ -amyloid fibrils. *Bioorg Med Chem Lett*. 2011 Apr 15;21(8):2183-7.

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

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