TACE substrate II (fluorogenic)

Sensitive fluorogenic substrate for TACE (TNFα converting enzyme, ADAM17). Also cleaved by ADAM10 and likely other ADAMs and MMPs. The k_{cat}/K_m of TACE for this substrate is 7-fold higher than for the same peptide with the Mca-Dpa fluorophore-quencher pair. FAM fluorescence is quenched by the TAMRA group until cleavage separates them. Ex.: 485nm, Em.: 535nm, although the following Ex/Em can also be used: 490,494/515,520nm. This substrate is useful for inhibitor screening, kinetic analysis, and cellular activity assay.

Citations: 1 View Online »

Ordering Information

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BML-P228-0100	100µg

Manuals, SDS & CofA

View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light and moisture.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	ADAM17 substrate II (fluorogenic)
Appearance	Solid.
Formulation	Lyophilized.
MW	2157.3
Purity	≥95% (HPLC)
Sequence	5-FAM-Ser-Pro-Leu-Ala-Gln-Ala-Val-Arg-Ser-Ser-Ser-Arg-Lys(5-TAMRA)-NH_2
Solubility	Soluble in DMSO.

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