

## Ac-LETD-AFC

Catalog	Unit
TBP0115-5MG	5 mg
TBP0115-10MG	10 mg

### Description

Ac-LETD-AFC is a fluorogenic substrate specifically designed for detecting caspase-8 activity, an essential protease involved in the extrinsic apoptosis pathway. Upon cleavage by active caspase-8, the AFC moiety is released, emitting a measurable fluorescent signal. The free AFC exhibits an excitation maximum at 400 nm and an emission maximum at 505 nm, facilitating sensitive and specific detection of caspase-8 activity in various biological samples.

### Product Details

**Formal Name:** N-acetyl-L-leucyl-L- $\alpha$ -glutamyl-L-threonyl-N-[2-oxo-4-(trifluoromethyl)-2H-1-benzopyran-7-yl]-L- $\alpha$ -asparagine

**Alternative names:** N-Acetyl-Leu-Glu-Thr-Asp-7-amino-4-Trifluoromethylcoumarin, Caspase-8 Substrate (Fluorogenic)

**Molecular Formula:** C<sub>31</sub>H<sub>38</sub>F<sub>3</sub>N<sub>5</sub>O<sub>12</sub>

**Formula Weight:** 729.7

**CAS Number:** 210345-02-1

**Purity:** > 95%

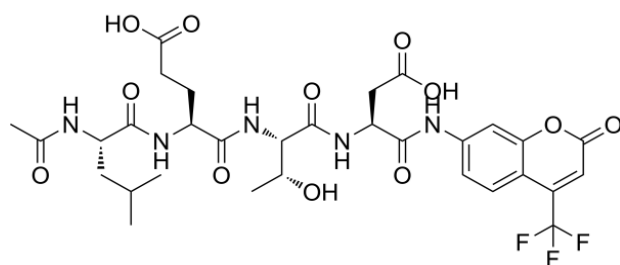
**Formulation:** powder

**Storage:** -20°C

**Stability:** >4 years

**Solubility:** DMSO: 10 mg/ml

**Application:** Caspase-8 activity determination



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