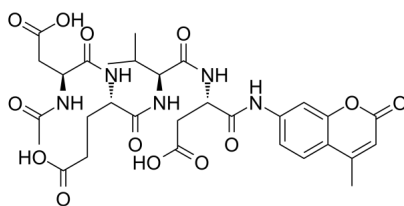


## Data Sheet

### Product Information

Catalog Number	BP10739
Product Name	Ac-DEVD-AMC
Description	Ac-DEVD-AMC is the substrate of Caspase-3 .
In vitro	<p>Lung fragments (about 20 mg each) are collected from rats and mice. The samples are incubated at 37°C in 50 mL KH buffer or MEM (continuously gassed with 95% O<sub>2</sub>: 5% CO<sub>2</sub>) for up to 6 h. At specific time points, samples are incubated in oxygenated KH buffer or MEM with 32 µM zVAD-fmk or 15 µL DMSO for 20 min (f/v=1.0 mL). Ac-DEVD-AMC (37 µM) is then added and the incubation continues for an additional 20 min. At the end of incubation, the tissue is disrupted by vigorous homogenization for 2 min, sonication for 3 min, and 10 passages through a 27-G needle. This disruption procedure quenches the Ac-DEVD-AMC cleavage reaction due to dilution. The supernatants are collected by centrifugation (~6,300g for 90 min) through a microcentrifuge filter, separated on HPLC, and analyzed for the fluorogenic AMC moiety.</p>
Synonyms	AC-ASP-MET-GLN-ASP-7-AMINO-4-METHYLCOUMARIN, AC-ASP-MET-GLN-ASP-AMC
CAS No.	169332-61-0
Chemical Formula	C <sub>30</sub> H <sub>37</sub> N <sub>5</sub> O <sub>13</sub>
Molecular Weight	675.648
Solubility	<p>H<sub>2</sub>O: &lt; 0.1 mg/mL (insoluble)  DMSO: ≤10mg/ml(14.80 mM)</p>
Storage	<p>Powder: -20°C for 2 years  In solvent: -80°C for 1 year</p>

Chemical Structure  
OR  
Tested Image



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