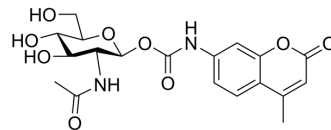


## AMC-GlcNAc

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-143285   |
| Molecular Formula: | C <sub>19</sub> H <sub>22</sub> N <sub>2</sub> O <sub>9</sub>                             |
| Molecular Weight:  | 422.39  |
| Target:            | Fluorescent Dye   |
| Pathway:           | Others  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



## BIOLOGICAL ACTIVITY

### Description

AMC-GlcNAc (compound 1) is a potent fluorogenic probe for detection and characterization of  $\beta$ -hexosaminidase enzyme activity. AMC-GlcNAc enables continuous monitoring by turn-on fluorescence and fluorescence signal is constant over a wide pH range (Ex=325 nm, Em=390 nm). AMC-GlcNAc enables ratiometric fluorescence detection with high sensitivity and low background, which can be used to screen for recombinant dispersin B activity in *E. coli* cell lysate<sup>[1]</sup>.

## REFERENCES

[1]. Wang S, et al. Multifunctional fluorescent probes for high-throughput characterization of hexosaminidase enzyme activity. *Bioorg Chem.* 2022 Feb;119:105532.

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

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