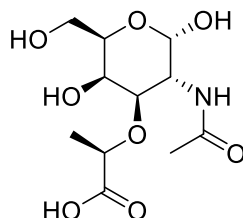


## N-Acetylmuramic acid

Code No.: **BIA-A2578**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms : (+)-N-Acetylmuramic acid

### Specifications

CAS #	: <b>10597-89-4</b>
Molecular Formula	: <b>C<sub>11</sub>H<sub>19</sub>NO<sub>8</sub></b>
Molecular Weight	: <b>293.27</b>
Source	: <b>Synthetic</b>
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in methanol or DMSO</b>

### Application Notes

N-Acetylmuramic acid is an essential component of the peptoglycan of bacterial cell walls. The formation of N-acetylmuramic acid and its cross-linking to form peptoglycan is a target for antibiotics, such as fosfomycin.

### References

1. Antimicrobial activity of fosfomycin in vitro. Forsgen A. and Walder M. J Antimicrob Chemother. 1983 ,11, 467.
- 2.