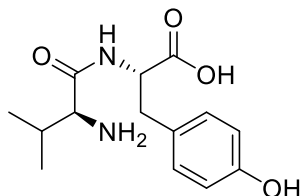


## L-Val-L-Tyr

Code No.: **BIA-V2368**

Pack sizes: **5 mg, 25 mg**



Synonyms : L-Valyl-L-tyrosine, N-L-Valyl-L-tyrosine, Valyltyrosine

### Specifications

CAS #	: <b>3061-91-4</b>
Molecular Formula	: <b>C<sub>14</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub></b>
Molecular Weight	: <b>280.3</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

L-Val-L-Tyr (valyltyrosine) is amphoteric dipeptide comprising valine and serine. L-Val-L-Tyr is ubiquitous in Nature as one of ~400 possible dipeptides from the incomplete catabolism of proteins. While many dipeptides have demonstrated potent biological activity L-Val-L-Tyr has not been extensively investigated. L-Val-L-Tyr is the precursor of the cyclic diketopiperazine formed by head to tail ring closure and these metabolites play an important role in quorum sensing.

### References

1. Quorum-sensing cross talk: isolation and chemical characterization of cyclic dipeptides from *Pseudomonas aeruginosa* and other Gram-negative bacteria. Holden M.T.G. et al. Mol Microbiol. 1999, 33, 1254.