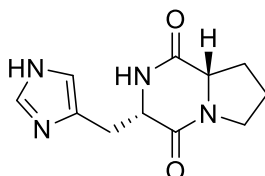


cyclo(L-His-L-Pro)

Code No.: **BIA-C2475**

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



Synonyms : Cyclo(L-histidyl-L-proline), Cyclo(histidyl-proline), Cyclo(prolylhistidine)

Specifications

CAS #	: 53109-32-3
Molecular Formula	: C₁₁H₁₄N₄O₂
Molecular Weight	: 234.25
Source	: Synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Cyclo(L-His-L-Pro) is a cyclic dikeptopiperazine with potential as a chitinase inhibitor and as a preventive of the effects of oxidative stress in vivo. Cyclo(L-His-L-Pro) is a metabolic product of thyrotropin releasing hormone (TRH) and is substantially more potent than TRH in reducing ethanol-induced sleep in rats.

References

1. Structure-based exploration of cyclic dipeptide chitinase inhibitors. Houston D.R. et al. J Med Chem. 2004, 47, 5713.
2. Isomers of cyclo-(L-His-L-Pro) for use in prophylaxis or therapy of pathologies based on oxidative stress. Gentian S. Ital. 2013, IT 1404390 B1 20131122.
3. Antagonism of ethanol narcosis by histidyl-proline diketopiperazine. Prasad C. et al. Nature 1977, 268, 142.