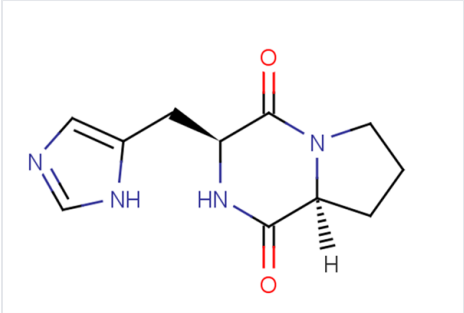
Cyclo Inhibitor

PRODUCT OVERVIEW

Product Name	Cyclo, Inhibitor
Full Product Name	Cyclo(his-pro)
Form/Format	Solid. Powder
Purity/Purification	98.00%
Preparation and Storage	Store at -20 degree C for 3 years powder -80 degree C for 2 years in solvent
Molecular Weight	234.25
Solubility	H2O: 30mg/mL (128.07mM) (<1mg/ml refers to the product slightly soluble or insoluble)
Formula	C11H14N4O2
SMILES	O=C1NC(Cc2cnc[nH]2)C(=O)N2CCCC12
CAS Number	53109-32-3
Target & IC50	Human Endogenous Metabolite NF-kappaB
Product Categories/Family for Cyclo, inhibitor	Metabolic Enzyme/Protease; NF-kappab
Related Product Information for Cyclo, inhibitor	Cyclo(his-pro) is an endogenous cyclic dipeptide that exerts oxidative damage protection by selectively activating the transcription factor Nrf2 signalling pathway.
Product References and Citations for Cyclo, inhibitor	Minelli A, Grottelli S, Mierla A, et al. Cyclo(His-Pro) exerts anti-inflammatory effects by modulating NF-kappaB and Nrf2 signalling[J]. International Journal of Biochemistry & Cell Biology, 2012, 44(3):0-535. Minelli A, Grottelli S, Mierla A, et al. Cyclo(His-Pro) exerts anti-inflammatory effects by modulating NF-kappaB and Nrf2 signalling[J]. International Journal of Biochemistry & Cell Biology, 2012, 44(3):0-535. Bellezza I, Grottelli S, Mierla A L, et al. Neuroinflammation and endoplasmic reticulum stress are coregulated by cyclo(His-Pro) to prevent LPS neurotoxicity[J]. The International Journal of Biochemistry & Cell Biology, 2014, 51:159-169. Bellezza I, Grottelli S, Mierla A L, et al. Neuroinflammation and endoplasmic reticulum stress are coregulated by cyclo(His-Pro) to prevent LPS neurotoxicity[J]. The International Journal of Biochemistry & Cell Biology, 2014, 51:159-169.
Other Notes	Small volumes of Cyclo, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Cyclo purchase	MBS5758402 is an inhibitor targeting Cyclo. Also known as Cyclo(his-pro).



Structure of Cyclo, inhibitor

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cyclo. It may not necessarily be applicable to this product.

Protein Family	Cyclo(L-leucyl-L-leucyl) synthase
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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