Hirsutide

Item No. 25014

CAS Registry No.: 865368-30-5
Formal Name: cyclo(N-methyl-L-phenylalanyl-L-phenylalanyl-N-methyl-L-phenylalanyl-L-valyl)
MF: C₃₄H₄₀N₄O₄
FW: 568.7
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years
Item Origin: Fungi/Aspergillus sp.

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Hirsutide is supplied as a solid. A stock solution may be made by dissolving the hirsutide in the solvent of choice. Hirsutide is soluble in organic solvents such as ethanol, methanol, DMSO, and dimethyl formamide, which should be purged with an inert gas.

Description

Hirsutide is a cyclotetrapeptide fungal metabolite produced by the entomopathogenic fungus Hirsutella.¹ It has antibacterial activity against C. pyogenes, S. aureus, P. aeruginosa, and K. pneumonia (MICs = 25, 13, 6, and 21 μg/cm³, respectively).² Hirsutide also has antifungal activity against C. albicans, M. audouinii, A. niger, and Ganoderma (MICs = 13, 6, 25, and 6 μg/cm³, respectively).

References