Dihydrochlamydocin
Item No. 21614

CAS Registry No.: 157618-75-2
Formal Name: cyclo[2-methylalanyl-L-phenylalanyl-D-prolyl-(2S,9R)-2-amino-9-hydroxy-8-oxodecanoyl]
MF: C_{28}H_{40}N_{4}O_{6}
FW: 528.6
Purity: ≥95%
Supplied as: A solid
Storage: Room temperature
Stability: As supplied, 3 years from the QC date provided on the Certificate of Analysis, when stored properly

**Laboratory Procedures**

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

**Description**

Dihydrochlamydocin is a cyclic tetrapeptide with putative histone deacetylase (HDAC) inhibitory activity. Naturally derived cyclic tetrapeptides and their synthetic analogs have demonstrated potent antiparasitic and phytotoxic activity by inhibiting HDACs.¹²

**References**