

Product Data Sheet

Product Name: TAT-cyclo-CLLFVY

Cat. No.: GC50211

Chemical Properties

Cas. No. 1446322-66-2

Formula C₁₁₁H₁₈₈N₄₂O₂₄S₂

M.Wt 2559.1

Solubility Soluble in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure cyclo(Cys-Leu-Leu-Phe-Val-Tyr-Cys-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Pro-Pro-Gln)

Background

Selective HIF-1 dimerization inhibitor. Blocks protein-protein interaction of recombinant HIF-1 α , but not HIF-2 α , with HIF-1 β (IC₅₀ = 1.3 μ M). Inhibits hypoxia-induced HIF-1 activity, and decreases VEGF and CAIX expression in osteosarcoma and breast cancer cells in vitro. Also reduces tubularization of hypoxic HUVECs.

Miranda et al (2013) A cyclic peptide inhibitor of HIF-1 heterodimerization that inhibits hypoxia signaling in cancer cells. J.Am.Chem.Soc. 135 10418 PMID:23796364

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA