

Product Data Sheet

Product Name: STAD 2
Cat. No.: GC50501

Chemical Properties

Cas. No. 1542100-77-5

Formula C₁₀₂H₁₈₂N₂₄O₂₂

M.Wt 2096.68

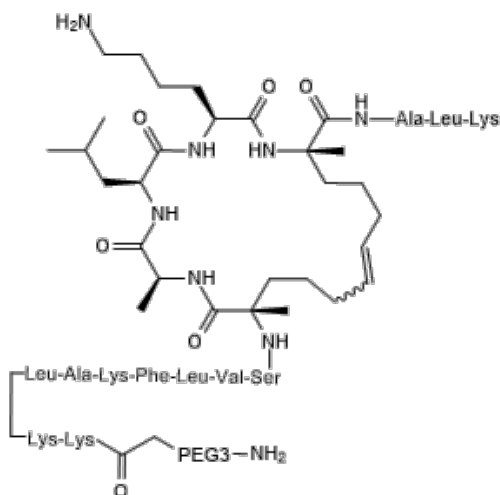
Solubility Soluble to 1 mg/ml in 50%
acetonitrile / water

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



Background

AKAP disruptor. Selectively binds PKA-RII subunit with high affinity ($K_d = 6.2$ nM) and blocks its interaction with AKAP. Cell permeable. Selectively permeable to malaria-infected red blood cells and displays antimalarial activity through a PKA-independent mechanism.

Bendzunas et al (2018) Investigating PKA-RII specificity using analogs of the PKA:AKAP peptide

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

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inhibitor STAD-2. Bioorg.Med.Chem. 26 1174 PMID:29449124 |Flaherty et al (2015) The stapled AKAP disruptor peptide STAD-2 displays antimalarial activity through a PKA-independent mechanism. PLoS One 10 e0129239 PMID:26010880 |Wang et al (2014) Isoform-selective disruption of AKAP-localized PKA using hydrocarbon stapled peptides. ACS Chem.Biol. 9 635 PMID:24422448

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