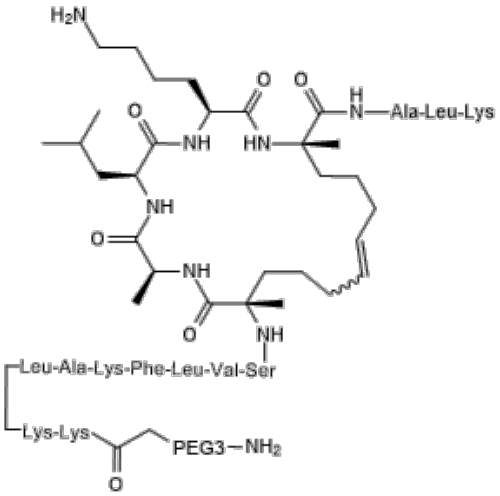
Product Data Sheet

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 (Kd = 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

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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

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