Product Data Sheet

Product Name: Calcineurin Autoinhibitory Peptide
Cat. No.: GC12743

Chemical Properties

Cas. No.	148067-21-4
Chemical Name	(4S,5Z,7S,8Z,10S,11Z,13S,14Z,16S,17Z,19S,20Z,23Z,25S,26Z,28S,29Z,31S,32Z,34S)-34-((Z)-((S)-2-((Z)-((S)-2-((Z)-((2S,3R)-2-((Z)-((2S,3S)-2-amino-1-hydroxy-3-methylpentylidene)amino)-1,3-dihydroxybutylidene)amino)-1,3-dihydroxypropylidene)amino)-1-hydroxy-3-
SMILES	CC[C@]([C@@](N)([H])/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/C/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/[C@@](/C(O)=N/[C@@](C(N1CCC[C@@]1([H
Formula	$C_{124}H_{205}N_{39}O_{39}S_2$
M.Wt	2930.32
Solubility	Soluble to 1 mg/ml in Water
Storage	Desiccate at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	Calcineurin Autoinhibitory Peptide

Background

Selective inhibitor of Ca^{2+}-calmodulin-dependent protein phosphatase (calcineurin) (IC_{50} ~ 10 mM). Does not inhibit PP1, PP2A or CaM kinase II (IC_{50} > 100 mM).

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