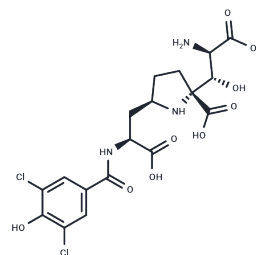


Kaitocephalin

Chemical Properties

CAS No. :	198710-92-8
Formula:	C ₁₈ H ₂₁ Cl ₂ N ₃ O ₉
Molecular Weight:	494.28
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Kaitocephalin is a non-selective ionotropic glutamate receptor antagonist, meaning it blocks the action of the neurotransmitter glutamate. It is produced by the fungus <i>Eupenicillium shearii</i> . Although similar molecules have been produced synthetically, kaitocephalin is the only known naturally occurring glutamate receptor antagonist.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0231 mL	10.1157 mL	20.2314 mL
5 mM	0.4046 mL	2.0231 mL	4.0463 mL
10 mM	0.2023 mL	1.0116 mL	2.0231 mL
50 mM	0.0405 mL	0.2023 mL	0.4046 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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