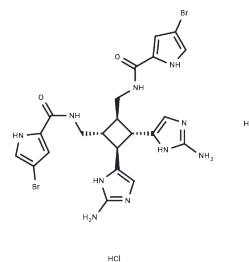


Sceptrin

Chemical Properties

CAS No. :	79703-25-6
Formula:	C ₂₂ H ₂₆ Br ₂ Cl ₂ N ₁₀ O ₂
Molecular Weight:	693.22
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	Sceptrin is a pyrrole-imidazole alkaloid that is naturally produced by various marine sponges.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4425 mL	7.2127 mL	14.4254 mL
5 mM	0.2885 mL	1.4425 mL	2.8851 mL
10 mM	0.1443 mL	0.7213 mL	1.4425 mL
50 mM	0.0289 mL	0.1443 mL	0.2885 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.

Reference

- Ma Z, Wang X, Wang X, Rodriguez RA, Moore CE, Gao S, Tan X, Ma Y, Rheingold AL, Baran PS, Chen C. Asymmetric syntheses of sceptrin and massadine and evidence for biosynthetic enantiodivergence. *Science*. 2014 Oct 10;346(6206):219-24. doi: 10.1126/science.1255677. PubMed PMID: 25301624; PubMed Central PMCID: PMC4205478.
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- Cipres A, O'Malley DP, Li K, Finlay D, Baran PS, Vuori K. Sceptrin, a marine natural compound, inhibits cell motility in a variety of cancer cell lines. *ACS Chem Biol*. 2010 Feb 19;5(2):195-202. doi: 10.1021/cb900240k. PubMed PMID: 20030414; PubMed Central PMCID: PMC2825093.

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