

Perfluorohexane sulfonamide

Chemical Properties

CAS No. :	41997-13-1
Formula:	C ₆ H ₂ F ₁₃ NO ₂ S
Molecular Weight:	399.13
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	Perfluorohexane sulfonamide (FHxSA) serves as an inhibitor of carbonic anhydrase (CA), effectively inhibiting bovine CA and human CAII with IC ₅₀ values of 0.122 and 1.38 μM, respectively. Additionally, it acts as a delayed-action insecticide for controlling red imported fire ants (<i>Solenopsis invicta</i>). Furthermore, Perfluorohexane sulfonamide is considered a potential environmental pollutant.
Targets(IC ₅₀)	Carbonic Anhydrase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5054 mL	12.5272 mL	25.0545 mL
5 mM	0.5011 mL	2.5054 mL	5.0109 mL
10 mM	0.2505 mL	1.2527 mL	2.5054 mL
50 mM	0.0501 mL	0.2505 mL	0.5011 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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