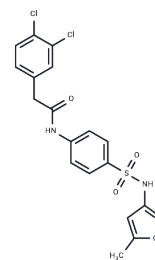


PFK-IN-1

Chemical Properties

CAS No. : 735303-62-5
 Formula: C₁₈H₁₅Cl₂N₃O₄S
 Molecular Weight: 440.3
 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	PFK-IN-1 (compound 1) is an inhibitor of 6-phosphofructo-1-kinase (PFK), demonstrating IC ₅₀ values of 0.41 and 0.23 μM against <i>T. brucei</i> and <i>T. cruzi</i> PFK, respectively, and an ED ₅₀ of 15.18 μg/mL for <i>T. brucei</i> . The compound has a half-life of 9.7 minutes in rat liver microsomes and 408 minutes in mouse liver microsomes.
Targets(IC ₅₀)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2712 mL	11.3559 mL	22.7118 mL
5 mM	0.4542 mL	2.2712 mL	4.5424 mL
10 mM	0.2271 mL	1.1356 mL	2.2712 mL
50 mM	0.0454 mL	0.2271 mL	0.4542 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481