

MCG-02

Chemical Properties

CAS No. :

Formula: C₁₃H₁₃N₃O₂S

Molecular Weight: 275.33

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	MCG-02 is an inhibitor of cruzain (CRZ) and cathepsin L-like protease (CATL), capable of inhibiting CRZ in Trypanosoma cruzi and CATL in Trypanosoma brucei, with IC ₅₀ values of 0.2 μM and 0.02 μM, respectively.
Targets(IC ₅₀)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.632 mL	18.160 mL	36.3201 mL
5 mM	0.7264 mL	3.632 mL	7.264 mL
10 mM	0.3632 mL	1.816 mL	3.632 mL
50 mM	0.0726 mL	0.3632 mL	0.7264 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481