Data Sheet (Cat.No.T77217)

TargetMol

Saccharopine hydrochloride

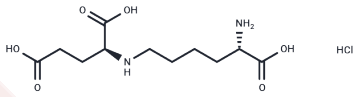
Chemical Properties

CAS No. :

Formula: C11H21ClN2O6

Molecular Weight: 312.75

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	Saccharopine hydrochloride (L-Saccharopine hydrochloride), an intermediate in lysine degradation and a mitochondrial toxin, is produced through the conversion of lysine and α-ketoglutarate by lysine-ketoglutarate reductase. This compound is subsequently oxidized to α-aminoapidate semialdehyde and glutamate by saccharopine dehydrogenase, impairing development by disrupting mitochondrial homeostasis [1] [2] [3].
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1974 mL	15.9872 mL	31.9744 mL
5 mM	0.6395 mL	3.1974 mL	6.3949 mL
10 mM	0.3197 mL	1.5987 mL	3.1974 mL
50 mM	0.0639 mL	0.3197 mL	0.6395 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.

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