

PSSI-51

Chemical Properties

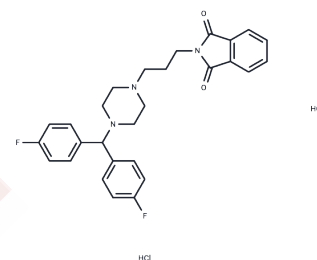
CAS No. :

Formula: C₂₈H₂₉Cl₂F₂N₃O₂

Molecular Weight: 548.45

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	PSSI-51 is an orally active inhibitor of succinyl-CoA:3-ketoacid CoA transferase (SCOT) with selectivity for peripheral tissues. It effectively inhibits SCOT activity in peripheral tissues such as muscle and kidney, without affecting SCOT activity in brain tissue. By inhibiting SCOT, PSSI-51 reduces ketone body oxidation, thereby improving obesity-related hyperglycemia. It shows potential for research in type 2 diabetes (T2D) and in addressing obesity-related metabolic disorders.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8233 mL	9.1166 mL	18.2332 mL
5 mM	0.3647 mL	1.8233 mL	3.6466 mL
10 mM	0.1823 mL	0.9117 mL	1.8233 mL
50 mM	0.0365 mL	0.1823 mL	0.3647 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