



FK-448 Free base

Catalog No: tcsc0018187

Available Sizes	
Size: 1mg	
Size: 5mg	
Size: 10mg	
Specifications	
CAS No: 85858-76-0	
Formula: $C_{25}H_{30}N_{2}O_{3}$	
Pathway: Metabolic Enzyme/Protease	
Target: Proteasome	
Purity / Grade: >98%	
Solubility: 10 mM in DMSO	
Observed Molecular Weight: 406.52	

Product Description

FK-448 Free base is an effective and specific inhibitor of **chymotrypsin**, with an IC_{50} of 720 nM.

IC50 & Target: IC50: 720 nM (Chymotrypsin)^[1]

In Vitro:





FK-448 Free base is an effective and specific inhibitor of chymotrypsin, with an IC $_{50}$ of 720 nM. FK-448 Free base slightly inhibits esterolysis of Trypsin and Thrombin, with IC $_{50}$ s of 780 and 35 μ M, respectively, but shows no effects on esterolysis of plasmin, plasma kallikrein or pancreas kallikrein, with IC $_{50}$ s of all >1 mM $^{[1]}$. FK-448 moderately inhibits hydrolytic activities of cathepsin G with an IC $_{50}$ of 15 μ M $^{[2]}$.

In Vivo: FK-448 (20 mg/kg, i.p.) results in a decrease in the blood glucose level, and inhibits the degradation of insulin by pancreatic enzymes in rats. FK-448 (20 mg/kg, p.o.) also decreases the blood glucose level, and increases plasma IRI level in dogs^[2].

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!