

Ser/Thr Protease

Serine proteases; Serine endopeptidases; Threonine proteases

HDAC Inhibitor:
Vorinostat (SAHA)



HDAC (Histone deacetylase)

convergently evolved the same active site geometry and mechanism.

Serine proteases are enzymes that cleave peptide bonds in proteins, in which serine serves as the nucleophilic amino acid at the active site. They are found ubiquitously in both eukaryotes and prokaryotes. Serine proteases fall into two broad categories based on their structure: chymotrypsin-like or subtilisin-like. In humans, serine proteases are responsible for co-ordinating various physiological functions, including digestion, immune response, blood coagulation and reproduction. Threonine proteases are a family of proteolytic enzymes harbouring a threonine (Thr) residue within the active site. The prototype members of this class of enzymes are the catalytic subunits of the proteasome, however the acyltransferases

Ser/Thr Protease Inhibitors & Modulators

<p>DPP-IV-IN-1</p> <p style="text-align: right;">Cat. No.: HY-U00346</p>	<p>GCN2-IN-1 (A-92)</p> <p style="text-align: right;">Cat. No.: HY-100877</p>
<p>Bioactivity: DPP-IV-IN-1 is a potent inhibitor of dipeptidyl peptidase IV (DPP-IV), a highly specific serine protease, with an IC₅₀ of 4.6 nM.</p> <p>Purity: >98%</p> <p>Clinical Data: No Development Reported</p> <p>Size: 1 mg, 5 mg, 10 mg, 20 mg</p> 	<p>Bioactivity: GCN2-IN-1 is a potent general control nonderepressible 2 kinase (GCN2) inhibitor with IC₅₀s of <0.3 μM in the enzyme and cell assay.</p> <p>Purity: 98.0%</p> <p>Clinical Data: No Development Reported</p> <p>Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg</p> 
<p>Nafamostat</p> <p style="text-align: right;">Cat. No.: HY-B0190</p>	<p>Nafamostat hydrochloride</p> <p style="text-align: right;">Cat. No.: HY-B0190B</p>
<p>Bioactivity: Nafamostat is a broad spectrum serine protease inhibitor, kallikrein inhibitor, and inhibits blood coagulation; is also a possible complement inhibitor.</p> <p>Purity: >98%</p> <p>Clinical Data: Launched</p> <p>Size: 10 mg, 50 mg</p> 	<p>Bioactivity: Nafamostat hydrochloride, a synthetic serine protease inhibitor, is an anticoagulant.</p> <p>Purity: >98%</p> <p>Clinical Data: Launched</p> <p>Size: 10 mg, 50 mg</p> 
<p>Nafamostat mesylate (FUT-175)</p> <p style="text-align: right;">Cat. No.: HY-B0190A</p>	<p>UK-371804</p> <p style="text-align: right;">Cat. No.: HY-101214</p>
<p>Bioactivity: Nafamostat mesylate, a synthetic serine protease inhibitor, is an anticoagulant.</p> <p>Purity: 95.85%</p> <p>Clinical Data: Launched</p> <p>Size: 10mM x 1mL in DMSO, 10 mg, 50 mg</p> 	<p>Bioactivity: UK-371804 is a urokinase-type plasminogen activator (uPA) inhibitor with a K_i of 10 nM.</p> <p>Purity: 98.0%</p> <p>Clinical Data: No Development Reported</p> <p>Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</p> 
<p>Upamostat (WX-671)</p> <p style="text-align: right;">Cat. No.: HY-16511</p>	
<p>Bioactivity: Upamostat is a serine protease inhibitor. Upamostat is the orally available prodrug of the WX-UK1, which is a urokinase plasminogen activator (uPA) inhibitor.</p> <p>Purity: 98.0%</p> <p>Clinical Data: No Development Reported</p> <p>Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg</p> 	