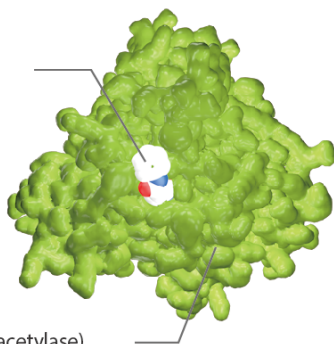


Deubiquitinase

DUBs

HDAC Inhibitor:
Vorinostat (SAHA)



HDAC (Histone deacetylase)

Machado-Josephin domain proteases (MJDs) and ovarian tumour proteases (OTU). The metalloprotease group contains only the Jab1/Mov34/Mpr1 Pad1 N-terminal+ (MPN+) (JAMM) domain proteases. DUBs play several roles in the ubiquitin pathway. One of the best characterised functions of DUBs is the removal of monoubiquitin and polyubiquitin chains from proteins.

Deubiquitinase Inhibitors & Modulators

6-Thioguanine

(Thioguanine2-Amino-6-purinethiol)

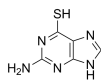
Cat. No.: HY-13765

Bioactivity: 6-Thioguanine (Thioguanine) is an anti-leukemia and immunosuppressant agent, acts as an inhibitor of SARS and MERS coronavirus papain-like proteases (**PLpros**) and also potently inhibits **USP2** activity, with **IC₅₀s** of 25 μ M and 40 μ M for

Purity: Plpros and recombinant human USP2, respectively. 98.0%

Clinical Data: Launched

Size: 10mM x 1mL in DMSO,
100 mg, 500 mg



b-AP15

(NSC 687852)

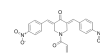
Cat. No.: HY-13989

Bioactivity: b-AP15 is a specific inhibitor of the **deubiquitinating** enzymes **UCHL5** and **Usp14**.

Purity: 98.93%

Clinical Data: No Development Reported

Size: 10mM x 1mL in DMSO,
10 mg, 25 mg, 50 mg, 100 mg, 200 mg, 500 mg



BAY 11-7082

(BAY 11-7821)

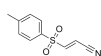
Cat. No.: HY-13453

Bioactivity: BAY 11-7082 is a **NF- κ B** inhibitor which decreases NF- κ B by inhibiting TNF- α -induced phosphorylation of I κ B- α . BAY 11-7082 inhibits ubiquitin-specific protease **USP7** and **USP21** with **IC₅₀s** of 0.19 μ M and 0.96 μ M, respectively.

Purity: 99.42%

Clinical Data: No Development Reported

Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg



C527

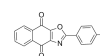
Cat. No.: HY-12988

Bioactivity: C527 is a pan **DUB enzyme** inhibitor, with a high potency for the **USP1/UAF1** complex (**IC₅₀**=0.88 μ M).

Purity: 98.92%

Clinical Data: No Development Reported

Size: 5 mg, 10 mg, 25 mg, 50 mg, 100 mg



Degrasyn

(WP1130)

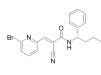
Cat. No.: HY-13264

Bioactivity: Degrasyn (WP1130) is a cell-permeable **deubiquitinase (DUB)** inhibitor, directly inhibiting DUB activity of USP9x, USP5, USP14, and UCH37. Degrasyn has been shown to downregulate the antiapoptotic proteins **Bcr-Abl** and **JAK2**.

Purity: 99.70%

Clinical Data: No Development Reported

Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg



DUBs-IN-1

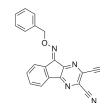
Cat. No.: HY-50736

Bioactivity: DUBs-IN-1 is an active inhibitor of **ubiquitin-specific proteases (USPs)**, with an **IC₅₀** of 0.24 μ M for USP8.

Purity: 99.46%

Clinical Data: No Development Reported

Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg



DUBs-IN-2

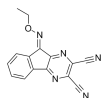
Cat. No.: HY-50737A

Bioactivity: DUBs-IN-2 is a potent **deubiquitinase** inhibitor with an **IC₅₀** of 0.28 μ M for USP8.

Purity: 99.08%

Clinical Data: No Development Reported

Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg



DUBs-IN-3

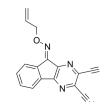
Cat. No.: HY-50737

Bioactivity: DUBs-IN-3 is a potent **deubiquitinase (USP)** enzyme inhibitor extracted from reference compound 22c with an **IC₅₀** of 0.56 μ M for USP8.

Purity: 99.40%

Clinical Data: No Development Reported

Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg



EOAI3402143

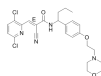
Cat. No.: HY-111408

Bioactivity: EOAI3402143 is a **deubiquitinase (DUB)** inhibitor, which inhibits dose-dependently inhibits **Usp9x/ Usp24** and **Usp5**.

Purity: 99.12%

Clinical Data: No Development Reported

Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 25 mg, 50 mg, 100 mg



FT671

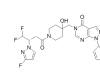
Cat. No.: HY-107985


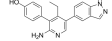
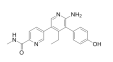
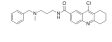
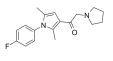
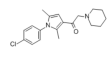
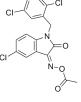
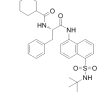
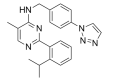
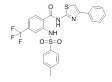
Bioactivity: FT671 is a potent, non-covalent and selective **USP7** inhibitor with an **IC₅₀** of 52 nM and binds to the USP7 catalytic domain with a **K_d** of 65 nM.


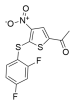
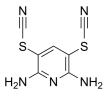

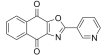

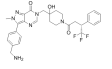

Purity: >98%

Clinical Data: No Development Reported

Size: 250 mg, 500 mg



<p>FT827</p> <p style="text-align: right;">Cat. No.: HY-111350</p> <p>Bioactivity: FT827 is a selective and covalent ubiquitin-specific protease 7 (USP7) inhibitor with an IC₅₀ of 52 nM.</p> <p>Purity: 98.48%</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>GENE-6640</p> <p style="text-align: right;">Cat. No.: HY-112937</p> <p>Bioactivity: GNE-6640 is a selective and non-covalent inhibitor of ubiquitin specific peptidase 7 (USP7), with IC₅₀ values of 0.75 μM, 0.43 μM, 20.3 μM and 0.23 μM for full length USP7, USP7 catalytic domain, full length USP43 and Ub-MDM2, respectively.</p> <p>Purity: 99.96%</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>GENE-6776</p> <p style="text-align: right;">Cat. No.: HY-107986</p> <p>Bioactivity: GNE-6776 is a selective USP7 inhibitor.</p> <p>Purity: 98.03%</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>HBX 19818</p> <p style="text-align: right;">Cat. No.: HY-17540</p> <p>Bioactivity: HBX 19818 is a specific inhibitor of ubiquitin-specific protease 7 (USP7), with an IC₅₀ of 28.1 μM.</p> <p>Purity: 96.84%</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>IU1</p> <p style="text-align: right;">Cat. No.: HY-13817</p> <p>Bioactivity: IU1 is a special Usp14 inhibitor with IC₅₀ of 4-5 μM.</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, 200 mg</p> 	<p>IU1-47</p> <p style="text-align: right;">Cat. No.: HY-122243</p> <p>Bioactivity: IU1-47 is a potent USP14 inhibitor with an IC₅₀ of 0.6 μM. IU1-47 induces tau elimination in cultured neurons [1].</p> <p>Purity: >98%</p> <p>Clinical Data: No Development Reported</p> <p>Size: 5 mg, 10 mg</p> 
<p>LDN-57444</p> <p style="text-align: right;">Cat. No.: HY-18637</p> <p>Bioactivity: LDN-57444 is a reversible, competitive and site-directed inhibitor of ubiquitin C-terminal hydrolase L1 (UCH-L1), with an IC₅₀ of 0.88 μM and a K_i of 0.40 μM; LDN-57444 also suppresses UCH-L3 activity, with an IC₅₀ of 25 μM.</p> <p>Purity: 97.73%</p> <p>Clinical Data: No Development Reported</p> <p>Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg</p> 	<p>MF-094</p> <p style="text-align: right;">Cat. No.: HY-112438</p> <p>Bioactivity: MF-094 is a potent and selective USP30 inhibitor with an IC₅₀ of 120 nM.</p> <p>Purity: >98%</p> <p>Clinical Data: No Development Reported</p> <p>Size: 5 mg, 10 mg, 50 mg, 100 mg</p> 
<p>ML-323</p> <p style="text-align: right;">Cat. No.: HY-17543</p> <p>Bioactivity: ML-323 is a reversible, potent USP1-UAF1 inhibitor with IC₅₀ of 76 nM in a Ub-Rho assay. The measured inhibition constants of ML-323 for the free enzyme (K_i) is 68 nM.</p> <p>Purity: 99.61%</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>ML364</p> <p style="text-align: right;">Cat. No.: HY-100900</p> <p>Bioactivity: ML364 is an inhibitor of ubiquitin specific peptidase 2 (USP2), and can be used for the research of breast cancer, extracted from patent WO 2016134026 A1, compound Figure 10G.</p> <p>Purity: 99.81%</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>NSC632839</p> <p style="text-align: right;">Cat. No.: HY-100708</p> <p>Bioactivity: NSC632839 is a nonselective isopeptidase inhibitor, which inhibits USP2, USP7, and SEN2 with EC₅₀s of 45±4 μM, 37±1 μM, and 9.8±1.8 μM, respectively.</p> <p>Purity: 98.43%</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>P 22077</p> <p style="text-align: right;">Cat. No.: HY-13865</p> <p>Bioactivity: P 22077 is a cell-permeable ubiquitin-specific protease 7 (USP7) inhibitor with an EC₅₀ of 8.01 μM. It also inhibits USP47 with an EC₅₀ of 8.74 μM.</p> <p>Purity: 99.97%</p> <p>Clinical Data: No Development Reported</p> <p>Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg</p> 
<p>P005091 (P5091)</p> <p style="text-align: right;">Cat. No.: HY-15667</p> <p>Bioactivity: P005091 is a selective and potent inhibitor of ubiquitin-specific protease 7 (USP7) with an EC₅₀ of 4.2 μM.</p> <p>Purity: 99.94%</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>PR-619</p> <p style="text-align: right;">Cat. No.: HY-13814</p> <p>Bioactivity: PR-619 is a broad-range DUB inhibitor with EC₅₀ of 3.93, 4.9, 6.86, 7.2, and 8.61 μM for USP4, USP8, USP7, USP2, and USP5, respectively.</p> <p>Purity: 98.81%</p> <p>Clinical Data: No Development Reported</p> <p>Size: 10mM x 1mL in DMSO, 10 mg, 50 mg</p> 
<p>SJB2-043</p> <p style="text-align: right;">Cat. No.: HY-15757</p> <p>Bioactivity: SJB2-043 is an inhibitor of the native USP1/UAF1 complex with IC₅₀ of 544 nM.</p> <p>Purity: 97.37%</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>SJB3-019A</p> <p style="text-align: right;">Cat. No.: HY-80012</p> <p>Bioactivity: SJB3-019A is a potent and novel USP1 inhibitor, 5 times more potent than SJB2-043 in promoting ID1 degradation and cytotoxicity in K562 cells with IC₅₀ of 0.0781 μM.</p> <p>Purity: 99.00%</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>USP7-IN-1</p> <p style="text-align: right;">Cat. No.: HY-16709</p> <p>Bioactivity: USP7-IN-1 is a selective and reversible inhibitor of ubiquitin-specific protease 7 (USP7), with an IC₅₀ of 77 μM, and can be used for the research of cancer.</p> <p>Purity: 99.77%</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>USP7-IN-3</p> <p style="text-align: right;">Cat. No.: HY-112128</p> <p>Bioactivity: USP7-IN-3 (Compound 5) is a potent and selective allosteric ubiquitin-specific protease 7 (USP7) inhibitor ^[1].</p> <p>Purity: >98%</p> <p>Clinical Data: No Development Reported</p> <p>Size: 250 mg, 500 mg</p> 
<p>USP7/USP47 inhibitor</p> <p style="text-align: right;">Cat. No.: HY-13487</p> <p>Bioactivity: USP7/USP47 inhibitor is a selective ubiquitin-specific protease 7/47 (USP7/USP47) inhibitor, with EC₅₀s of 0.42 μM and 1.0 μM, respectively.</p> <p>Purity: 98.17%</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>VLX1570</p> <p style="text-align: right;">Cat. No.: HY-12471</p> <p>Bioactivity: VLX1570 is a competitive inhibitor of proteasome deubiquitinases (DUBs) with an IC₅₀ of approximate 10 μM.</p> <p>Purity: 98.00%</p> <p>Clinical Data: Phase 2</p> <p>Size: 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 50 mg, 100 mg</p> 