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Inhibitors, Agonists, Screening Libraries

# MALT1

## mucosa associated lymphoid tissue lymphoma translocation gene 1

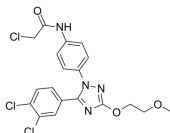
MALT1 is a paracaspase, which is related to the caspase (cysteine-aspartic proteases) family of proteases but cleaves after Arg residues instead of Asp. MALT1 cleavage activity is linked to the pathogenesis of activated B cell-like diffuse large B cell lymphoma (ABC-DLBCL), a chemoresistant form of DLBCL. MALT1 is a unique paracaspase protein that transduces aberrant oncogenic signaling in ABC-DLBCL. MALT1 represents a potentially important therapeutic target for ABC-DLBCL and MALT lymphoma. MALT1 small molecule inhibitors might be useful chemical tools for studying MALT1 biology and treating MALT1-addicted tumors.

## MALT1 Inhibitors

### MALT1 inhibitor MI-2

Cat. No.: HY-12276

MALT1 inhibitor MI-2 is a MALT1 inhibitor ( $IC_{50}$ =5.84  $\mu$ M).



**Purity:** 99.88%

**Clinical Data:** No Development Reported

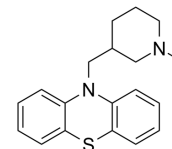
**Size:** 10 mM  $\times$  1 mL, 5 mg, 10 mg, 50 mg, 100 mg

### Mepazine

(Pecazine)

Cat. No.: HY-121282

Mepazine (Pecazine) is a potent and selective MALT1 protease inhibitor with  $IC_{50}$ s of 0.83 and 0.42  $\mu$ M for GSTMALT1 full length and GSTMALT1 325-760, respectively. Mepazine affects viability of ABC-DLBCL cells by enhancing apoptosis.



**Purity:** >98%

**Clinical Data:** No Development Reported

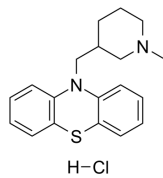
**Size:** 1 mg, 5 mg

### Mepazine hydrochloride

(Pecazine hydrochloride)

Cat. No.: HY-121282A

Mepazine hydrochloride (Pecazine hydrochloride) is a potent and selective MALT1 protease inhibitor with  $IC_{50}$ s of 0.83 and 0.42  $\mu$ M for GSTMALT1 full length and GSTMALT1 325-760, respectively. Mepazine hydrochloride affects viability of ABC-DLBCL cells by enhancing apoptosis.



**Purity:** 98.29%

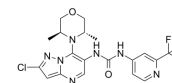
**Clinical Data:** No Development Reported

**Size:** 10 mM  $\times$  1 mL, 25 mg, 50 mg, 100 mg, 250 mg

### MLT-231

Cat. No.: HY-131902

MLT-231 is a potent, highly selective allosteric MALT1 inhibitor with an  $IC_{50}$  of 9 nM. MLT-231 specifically prevents endogenous BCL10 cleavage with  $IC_{50}$  of 160 nM. MLT-231 shows antitumor activity in an ABC-DLBCL type xenograft model in mouse.



**Purity:** >98%

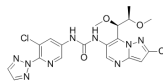
**Clinical Data:** No Development Reported

**Size:** 1 mg, 5 mg

### MLT-748

Cat. No.: HY-115466

MLT-748 is a potent, selective and allosteric inhibitor of MALT1, binds MALT1 in the allosteric Trp580 pocket, with an  $IC_{50}$  of 5 nM.



**Purity:** 99.91%

**Clinical Data:** No Development Reported

**Size:** 10 mM  $\times$  1 mL, 5 mg, 10 mg, 50 mg, 100 mg