

Product Name: MLN 4760

Catalog No.: 3345

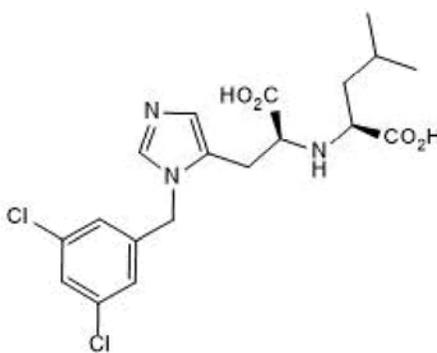
Batch No.: 1

CAS Number: 305335-31-3

IUPAC Name: *N*-[(1*S*)-1-Carboxy-3-methylbutyl]-3-[(3,5-dichlorophenyl)methyl]-L-histidine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₁₉ H ₂₃ Cl ₂ N ₃ O ₄
Batch Molecular Weight:	428.31
Physical Appearance:	White solid
Solubility:	DMSO to 100 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 99.7% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

Product Name: MLN 4760

Catalog No.: 3345

Batch No.: 1

CAS Number: 305335-31-3

IUPAC Name: N-[(1S)-1-Carboxy-3-methylbutyl]-3-[(3,5-dichlorophenyl)methyl]-L-histidine

Description:

MLN 4760 is a highly potent, cell-permeable and selective inhibitor of angiotensin converting enzyme 2 (ACE2) (IC_{50} = 0.44 nM). MLN 4760 inhibits production of angiotensin (1-7) from angiotensin II and reduces ACE2 expression and activity in an animal model of lung inflammation.

Physical and Chemical Properties:

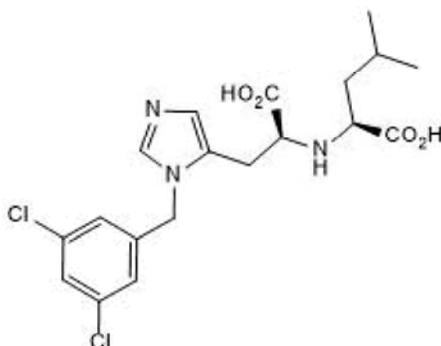
Batch Molecular Formula: C₁₉H₂₃Cl₂N₃O₄

Batch Molecular Weight: 428.31

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Sodhi et al (2019) A dynamic variation of pulmonary ACE2 is required to modulate neutrophilic inflammation in response to *Pseudomonas aeruginosa* lung infection in mice. *J.Immunol.* **203** 3000. PMID: 31645418.

Mores et al (2008) Development of potent and selective phosphinic peptide inhibitors of angiotensin-converting enzyme 2. *J.Med.Chem.* **51** 2216. PMID: 18324760.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com
techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors
Tel:+1 612 379 2956