

PRODUCT:

ALTERNATE NAME:

CATALOG #:

AMOUNT:

STRUCTURE:

MOLECULAR FORMULA:

MOLECULAR WEIGHT:

CAS NUMBER:

APPEARANCE:

SOLUBILITY:

PURITY:

STORAGE:

DESCRIPTION:

REFERENCES:

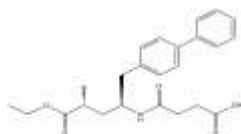
HANDLING:

AHU-377

4-(((2S,4R)-1-([1,1'-biphenyl]-4-yl)-5-ethoxy-4-methyl-5-oxopentan-2-yl)amino)-4-oxobutanoate; Sacubitril

9520-5, 25

5 mg, 25 mg

 $C_{24}H_{29}NO_5$

411.49

149709-62-6

Light yellow oil

DMSO (>5 mg/ml in DMSO)

≥98% by HPLC

Store at -20°C. Protect from air and light

AHU-377 is a prodrug that is activated in vivo by esterases to form an active compound LBQ657 which acts as a potent and selective neprilysin inhibitor. Neprilysin is a protease responsible for the degradation of atrial and brain natriuretic peptides. Inhibition of neprilysin prevents the degradation of natriuretic peptides and activates cGMP signaling pathways that regulate volume and blood pressure.

Bai, H.Y., *et al.* (2015). *Eur. J. Pharmacol.* **762**, 293-298.

Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Losartan potassium (Cat. No. 2750-50, 250)

Rat Renin Inhibitor Peptide (Cat. No. 2557-1,5)

Renin inhibitor (Cat. No. 2084-5,25)

Valsartan (Cat. No. 2004-25, 100, 500)

USAGE:

FOR RESEARCH CH USE ONLY! Not to be used in humans