

Jun 09, 2026

## ACE-inhibitory activity assay: IC50



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Number of steps

0 / 8 completed

### Materials

Angiotensin Converting Enzyme from rabbit lung **Merck MilliporeSigma (Sigma-Aldrich) Catalog #A6778**

Tris Base **Fisher Scientific Catalog #BP152-1** or  Tris-HCl **Merck MilliporeSigma (Sigma-Aldrich)**

Ultrapure Water

ZnCl<sub>2</sub> anhydrous **Thermo Fisher Scientific Catalog #11497737**

Sodium Chloride **Fisher Scientific Catalog #S271**

Abz-Gly-p-nitro-Phe-Pro-OH Trifluoroacetate **bachem Catalog #4003531.0050**

Equipment

**Synergy H1M**

NAME

Multidetetection plate reader

TYPE

BioTek

BRAND

679SH1M-SN

SKU

Detection modes: UV-Vis absorbance; fluorescence intensity; luminescence <sup>SPECIFICATIONS</sup>

Read methods: endpoint, kinetic, spectral scanning, well area scanning

Microplate types: 6- to 384-well plates

Temperature control: to 45 °C

Shaking: linear, orbital, double orbital

Equipment

**96 Well Black Plate**

NAME

microplate

TYPE

Nunc

BRAND

237108

SKU

96-Well black polystyrene microplate, flat bottom, 50 to 250 µL, non-sterile, non-treated <sup>SPECIFICATIONS</sup>

