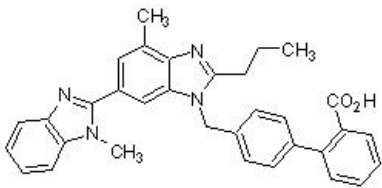


Product datasheet

# Telmisartan, angiotensin II (AT<sub>1</sub>) antagonist ab120831

[1 References](#) [2 Images](#)

## Overview

Product name	Telmisartan, angiotensin II (AT <sub>1</sub> ) antagonist
Description	Selective angiotensin II (AT <sub>1</sub> ) antagonist
Biological description	Selective AT <sub>1</sub> receptor antagonist (K <sub>i</sub> = 3.7 nM) . Partial PPAR-γ agonist.
Purity	> 99%
CAS Number	144701-48-4
Chemical structure	

## Properties

Chemical name	4'-[(1,4'-Dimethyl-2'-propyl[2,6'-bi-1 <i>H</i> -benzimidazo]-1'-yl)methyl][1,1'-biphenyl]-2-carboxylic acid
Molecular weight	514.63
Molecular formula	C <sub>33</sub> H <sub>30</sub> N <sub>4</sub> O <sub>2</sub>
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 10 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
Source	Synthetic

## Applications

## Applications

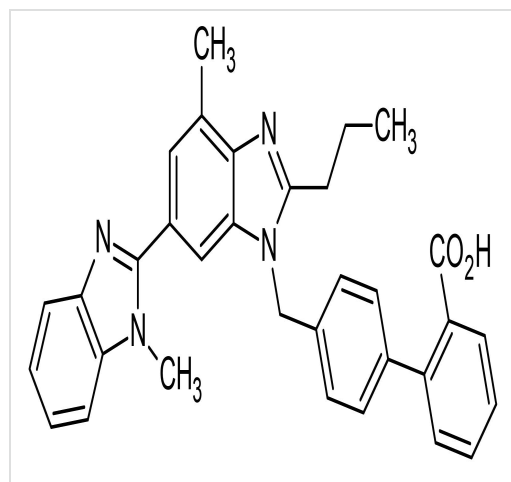
### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab120831 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

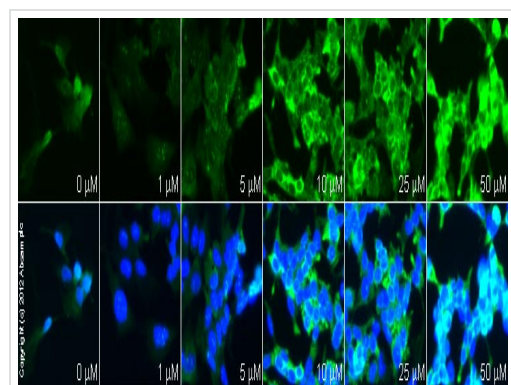
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

## Images



Chemical Structure - Telmisartan, angiotensin II  
(AT<sub>1</sub>) antagonist (ab120831)

2D chemical structure image of ab120831, Telmisartan,  
angiotensin II (AT1) antagonist



Functional Studies - Telmisartan, angiotensin II  
(AT<sub>1</sub>) antagonist (ab120831)

**ab8934** staining PPARα in serum starved HepG2 cells treated with telmisartan (ab120831), by ICC/IF. Increase in PPARα expression correlates with increased concentration of telmisartan, as described in literature.

The cells were incubated at 37°C for 6h in media containing different concentrations of ab120831 (telmisartan) in DMSO, fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab8934** (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours
  
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