

Catalog	Unit
TBI2049-50MG	50 mg
TBI2049-250MG	250 mg

### Product Details

**Formal Name:** 2-Ethoxy-1-[[2'-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-benzimidazole-7-carboxylic acid

**Alternate Names:** CV-11974

**Molecular Formula:** C<sub>24</sub>H<sub>20</sub>N<sub>6</sub>O<sub>3</sub>

**Formula Weight:** 400.45

**CAS Number:** 139481-59-7

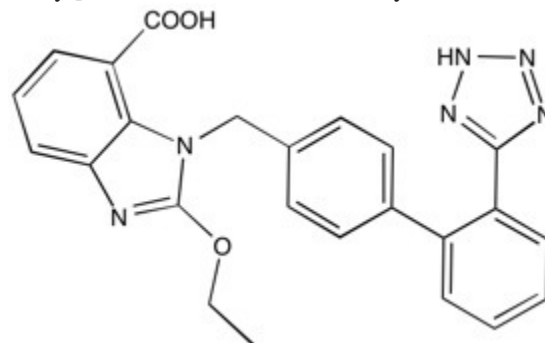
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 40 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Angiotensin AT1 receptor antagonist

### Functions

Angiotensin II receptor I (AT1) antagonist, IC<sub>50</sub>s=1.12 and 2.86 nM for bovine adrenal cortex and rabbit aorta respectively. Selectively inhibits angiotensin II-induced contraction of rabbit aortic strips with no effect on contraction induced by other agents such as norepinephrine, KCl, serotonin, PGF<sub>2</sub>α or endothelin. Prevents astrocyte and microglial activation and neuroinflammation and improves hippocampal neurogenesis. Attenuates angiogenesis in hepatocellular carcinoma. Clinically useful antihypertensive agent. Ameliorates brain inflammation associated with Alzheimer's disease. Active in vivo and orally active.

### Application Procedures

First dissolved in DMSO (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

**For research use only.**