

---

## Product Data Sheet

---

Product Name: Imidaprilate (6366A)

Cat. No.: GC32600

**Chemical Properties**

Cas. No. 89371-44-8

SMILES O=C([C@H](CN1C)N(C([C@@H](N[C@H](C(O)=O)CCC2=CC=CC=C2)C)=O)C1=O)OFormula C<sub>18</sub>H<sub>23</sub>N<sub>3</sub>O<sub>6</sub> M.Wt 377.39

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Imidaprilate is an active metabolite of TA-6366, acts as a potent angiotensin converting enzyme (ACE) inhibitor, with an IC<sub>50</sub> of 2.6 nM, and is used in the research of hypertensive disease.

Imidaprilate (6366A) is an active metabolite of 6366, acts as a potent angiotensin converting enzyme (ACE) inhibitor, with an IC<sub>50</sub> of 2.6 nM. Imidaprilate augments the bradykinin-induced contraction of guinea pig ileum, with AC<sub>50</sub> of 1.7 nM[1].

Imidaprilate (≥0.2 mg/kg) inhibits angiotensin I (AT-I)-induced pressor response. TA-6366 lowers the blood pressure in two-kidney one-clip renal hypertensive rats at 0.5-2 mg/kg via oral administration, and in spontaneously hypertensive rats (SHRs) at 2 to 10 mg/kg[1].

[1]. Kubo M, et al. Pharmacological studies on (4S)-1-methyl-3-[(2S)-2-[N-((1S)-1-ethoxycarbonyl-3-phenylpropyl)amino] propionyl]-2-oxo-imidazolidine-4-carboxylic acid hydrochloride (TA-6366), a new ACE inhibitor: I. ACE inhibitory and anti-hypertensive

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

**Product Data Sheet**

---

activities. Jpn J Pharmacol. 1990 Jun;53(2):201-10.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**