

**Product Name:** Tranilast

**Catalog No.:** 1098

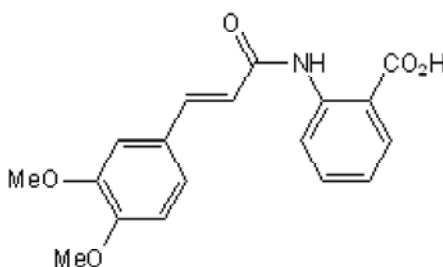
**Batch No.:** 2

CAS Number: 53902-12-8

IUPAC Name: 2-[[3-(3,4-Dimethoxyphenyl)-1-oxo-2-propenyl]amino]benzoic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>18</sub>H<sub>17</sub>NO<sub>5</sub>  
**Batch Molecular Weight:** 327.34  
**Physical Appearance:** Yellow solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	66.05	5.23	4.28
Found	66.04	5.26	4.28

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

Tranilast is an antiallergic via inhibition of chemical mediator release from mast cells. Shown to be an effective inhibitor of angiogenesis. Demonstrated to antagonize the effects of angiotensin II on human arteries, possibly by an interaction at the level of the AT<sub>1</sub> receptor. Inhibits TRPV2-mediated responses; binds to Aβ<sub>40</sub> monomers and increases Aβ<sub>40</sub> fibrillation.

**Physical and Chemical Properties:**

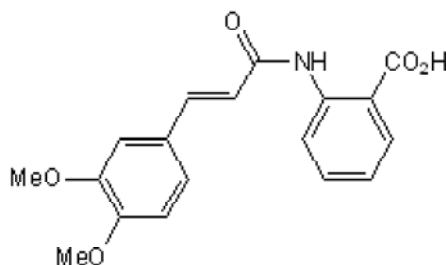
Batch Molecular Formula: C<sub>18</sub>H<sub>17</sub>NO<sub>5</sub>

Batch Molecular Weight: 327.34

Physical Appearance: Yellow solid

**Minimum Purity:** ≥99%

**Batch Molecular Structure:**



**References:**

**Connors et al** (2013) Tranilast binds to Aβ monomers and promotes Aβ fibrillation. *Biochemistry*. PMID: 23679559.

**Hisanaga et al** (2009) Regulation of calcium-permeable TRPV2 channel by Ins in pancreatic beta-cells. *Diabetes*. **58** 174. PMID: 18984736.

**Jin et al** (1998) Tranilast, an anti-allergic drug, possesses antagonistic potency to angiotensin II. *Eur.J.Pharmacol.* **361** 199. PMID: 9865509.

**Storage:** Store at RT

**Solubility & Usage Info:**

DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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