

**Product Name:** WWL 113

**Catalog No.:** 5259

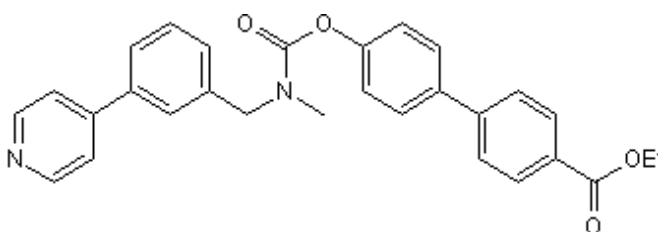
**Batch No.:** 1

CAS Number: 947669-86-5

IUPAC Name: 4'-[[[Methyl[[3-(4-pyridinyl)phenyl]methyl]amino]carbonyl]oxy]-[1,1'-biphenyl]-4-carboxylic acid ethyl ester

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>29</sub>H<sub>26</sub>N<sub>2</sub>O<sub>4</sub>  
**Batch Molecular Weight:** 466.53  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 50 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.78 (Chloroform:Methanol [9:1])  
**HPLC:** Shows 99.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	74.66	5.62	6
Found	74.51	5.56	6.07

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

**Product Name:** WWL 113

**Catalog No.:** 5259

**Batch No.:** 1

CAS Number: 947669-86-5

IUPAC Name: 4'-[[[Methyl[[3-(4-pyridinyl)phenyl]methyl]amino]carbonyl]oxy]-[1,1'-biphenyl]-4-carboxylic acid ethyl ester

**Description:**

Carboxylesterase Ces3 and Ces1f inhibitor (IC<sub>50</sub> values are ~100 nM). Also inhibits ABHD6. Exhibits minimal activity against a panel of other serine hydrolases. Promotes lipid storage in adipocytes. Reduces weight gain in diet-induced obese mice and enhances glucose tolerance in diabetic mice. Orally active.

**Physical and Chemical Properties:**

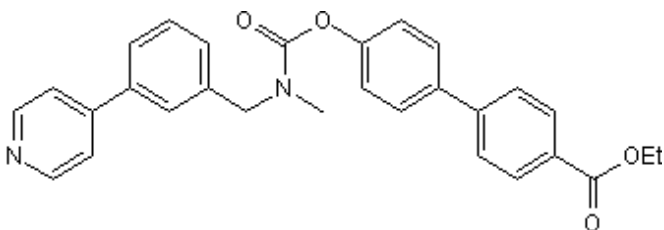
Batch Molecular Formula: C<sub>29</sub>H<sub>26</sub>N<sub>2</sub>O<sub>4</sub>

Batch Molecular Weight: 466.53

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 50 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.

**References:**

**Dominguez et al** (2014) Integrated phenotypic and activity-based profiling links Ces3 to obesity and diabetes. *Nat.Chem.Biol.* **10** 113. PMID: 24362705.

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel: +1 612 379 2956