

## Certificate of Analysis

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**Product Name:** Compound W

**Catalog No.:** 2654

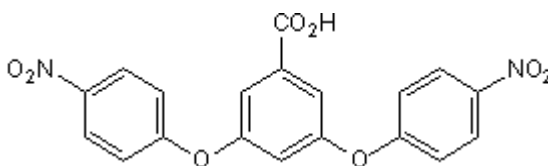
**Batch No.:** 1

CAS Number: 173550-33-9

IUPAC Name: 3,5-Bis(4-nitrophenoxy)benzoic acid

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>19</sub>H<sub>12</sub>N<sub>2</sub>O<sub>8</sub>  
**Batch Molecular Weight:** 396.31  
**Physical Appearance:** Yellow solid  
**Solubility:** 1.1eq. NaOH to 50 mM  
 DMSO to 100 mM  
 ethanol to 5 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows >99.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	57.58	3.05	7.07
Found	57.61	2.91	7.05

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

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**Description:**

Inhibitor of  $\gamma$ -secretase; causes a decrease in the released levels of A $\beta$ 42 and notch-1 A $\beta$ -like peptide 25 (N $\beta$ 25).

**Physical and Chemical Properties:**

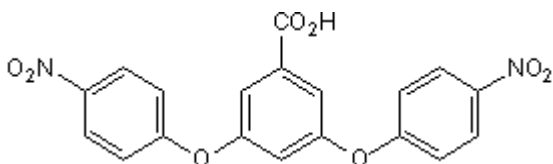
Batch Molecular Formula: C<sub>19</sub>H<sub>12</sub>N<sub>2</sub>O<sub>8</sub>

Batch Molecular Weight: 396.31

Physical Appearance: Yellow solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

1.1eq. NaOH to 50 mM

DMSO to 100 mM

ethanol to 5 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:**

**Okochi et al** (2006) Secretion of the notch-1 A $\beta$ -like peptide during notch signaling. *J.Biol.Chem.* **281** 7890. PMID: 16434391.

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