

Product Name: Compound W

Catalog No.: 2654

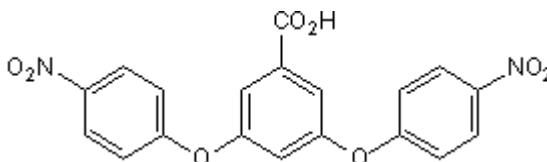
Batch No.: 1

CAS Number: 173550-33-9

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₂N₂O₈
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
¹H 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 γ -secretase; causes a decrease in the released levels of A β 42 and notch-1 A β -like peptide 25 (N β 25).

Physical and Chemical Properties:

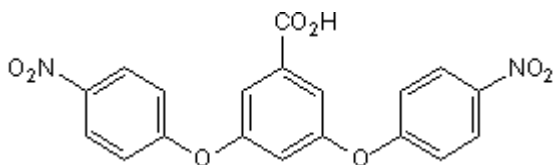
Batch Molecular Formula: C₁₉H₁₂N₂O₈

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 β -like peptide during notch signaling. *J.Biol.Chem.* **281** 7890. PMID: 16434391.

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USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373
www.RnDSystems.com

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