

Product Name: WWL 70

Catalog No.: 3252

Batch No.: 2

CAS Number: 947669-91-2

IUPAC Name: *N*-Methyl-*N*-[[3-(4-pyridinyl)phenyl]methyl]-4'-(aminocarbonyl)[1,1'-biphenyl]-4-yl carbamic acid ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₇H₂₃N₃O₃·½H₂O

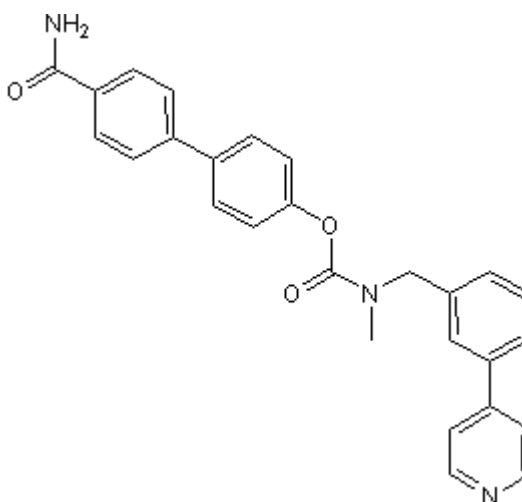
Batch Molecular Weight: 446.5

Physical Appearance: White solid

Solubility: DMSO to 10 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.26 (Ethyl acetate)

HPLC: Shows 99% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	72.63	5.42	9.41
Found	72.25	5.33	9.45

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Description:

Potent inhibitor of α/β -hydrolase domain 6 (ABHD6) (IC_{50} = 70 nM), an enzyme which catalyzes the hydrolysis of 2-arachidonylglycerol (Cat. No. 1298).

Physical and Chemical Properties:

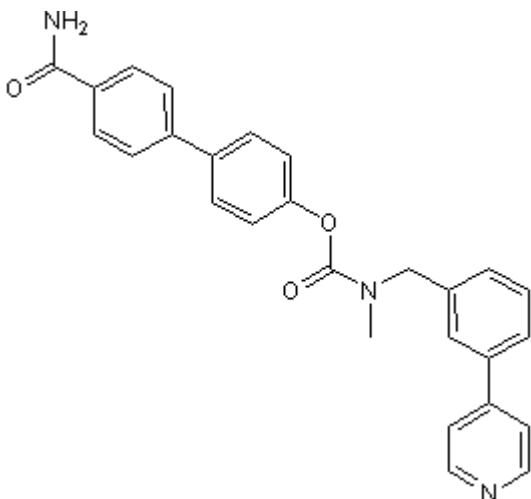
Batch Molecular Formula: $C_{27}H_{23}N_3O_3 \cdot \frac{1}{2}H_2O$

Batch Molecular Weight: 446.5

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 10 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:

Blankman et al (2007) A comprehensive profile of brain enzymes that hydrolyze the endocannabinoid 2-arachidonylglycerol. *Chem.Biol.* **14** 1347. PMID: 18096503.

Li et al (2007) A functional proteomic strategy to discover inhibitors for uncharacterized hydrolases. *J.Am.Chem.Soc.* **129** 9594. PMID: 17629278.

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