

**Product Name:** AP 1867

**Catalog No.:** 6207

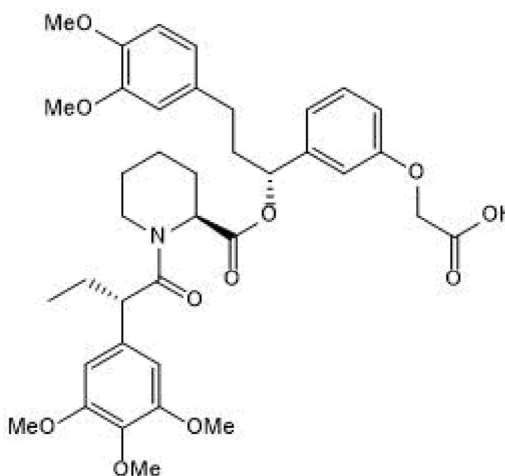
**Batch No.:** 2

CAS Number: 195514-23-9

IUPAC Name: (1*R*)-1-[3-(Carboxymethoxy)phenyl]-3-(3,4-dimethoxyphenyl)propyl (2*S*)-1-[(2*S*)-1-oxo-2-(3,4,5-trimethoxyphenyl)butyl]-2-piperidinecarboxylate

## 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Batch Molecular Formula:</b>	C <sub>38</sub> H <sub>47</sub> NO <sub>11</sub> .
<b>Batch Molecular Weight:</b>	693.79
<b>Physical Appearance:</b>	White solid
<b>Solubility:</b>	ethanol to 100 mM DMSO to 100 mM
<b>Storage:</b>	Store at -20°C
<b>Batch Molecular Structure:</b>	



## 2. ANALYTICAL DATA

<b>HPLC:</b>	Shows 99.2% purity
<b><sup>1</sup>H NMR:</b>	Consistent with structure
<b>Mass Spectrum:</b>	Consistent with structure
<b>Microanalysis:</b>	

	Carbon	Hydrogen	Nitrogen
Theoretical	65.79	6.83	2.02
Found	65.14	6.71	2.01

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

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**Description:**

AP 1867 is a selective binding ligand for the single point mutant of FKBP12<sup>F36V</sup> (IC<sub>50</sub> = 1.8 nM). Functionalized with a carboxylic acid group at the meta-position to enable onward chemistry. The position of the carboxylic acid group represents an 'exit vector' allowing modification without interfering with the compound's binding ability.

**Physical and Chemical Properties:**

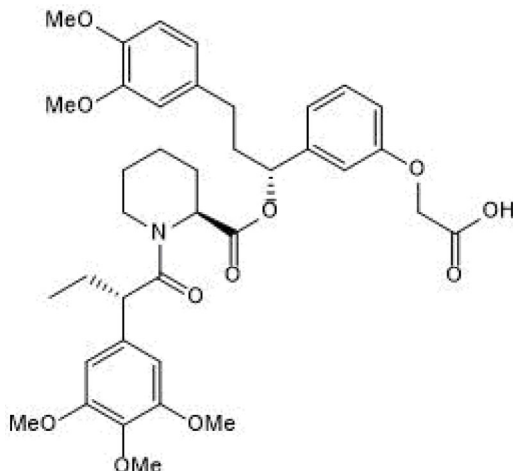
Batch Molecular Formula: C<sub>38</sub>H<sub>47</sub>NO<sub>11</sub>.

Batch Molecular Weight: 693.79

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

ethanol to 100 mM

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. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**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:**

**Koide *et al*** (2001) A synthetic library of cell-permeable molecules. *J. Am. Chem. Soc.* **123** 398. PMID: 11456541.

**Clackson *et al*** (1998) Redesigning an FKBP-ligand interface to generate chemical dimerizers with novel specificity. *Proc. Natl. Acad. Sci. U.S.A.* **95** 10437. PMID: 9724721.

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