

Product Name: AP 20187

Catalog No.: 6297

Batch No.: 1

CAS Number: 195514-80-8

IUPAC Name: 2,2'-[[2-[(Dimethylamino)methyl]-1,3-propanediyl]bis[imino(2-oxo-2,1-ethanediyl)oxy-3,1-phenylene[(1*R*)-3-(3,4-dimethoxyphenyl)propylidene]]] bis[1-[(2*S*)-1-oxo-2-(3,4,5-trimethoxyphenyl)butyl]-2-piperidinecarboxylate]

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₈₂H₁₀₇N₅O₂₀.1¼H₂O

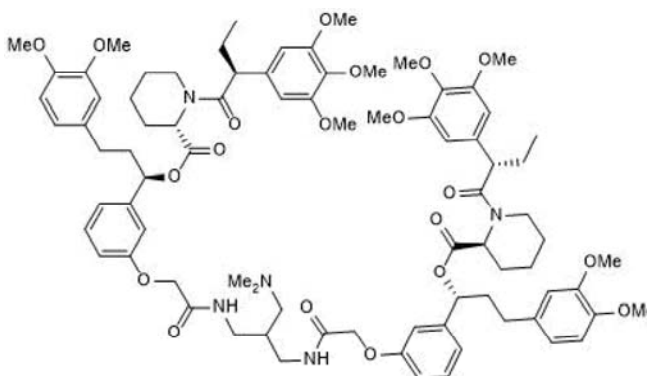
Batch Molecular Weight: 1505.29

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.2% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	65.43	7.33	4.65
Found	65.02	7.33	4.79

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Description:

Chemical inducer of dimerization (CID) for use in FKBP fusion protein systems. Induces apoptosis in cells expressing fusion proteins consisting of FKBP^{F36V} and the intracellular domain of the Fas receptor, Fas-associated death domain (FADD) or a caspase. Selective for FKBP^{F36V}-Fas fusion proteins over wild-type FKBP. Induces apoptosis of senescent cells expressing caspase-8-FKBP fusion proteins under the control of an Ink4a promoter. Active *in vivo*.

Physical and Chemical Properties:

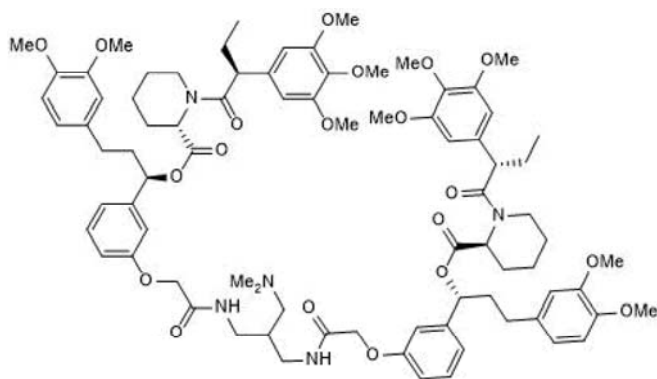
Batch Molecular Formula: C₈₂H₁₀₇N₅O₂₀.1¼H₂O

Batch Molecular Weight: 1505.29

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol 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. 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:

Jacobs et al (2018) StaPLs: versatile genetically encoded modules for engineering drug-inducible proteins. *Nat.Methods* **15** 523. PMID: 29967496.

Ono (2017) Exposure to sequestered self-antigens *in vivo* is not sufficient for the induction of autoimmune diabetes. *PLoS One* **12** e0173176. PMID: 28257518.

Baker et al (2016) Naturally occurring p16^{Ink4a}-positive cells shorten healthy lifespan. *Nature* **530** 184. PMID: 26840489.

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