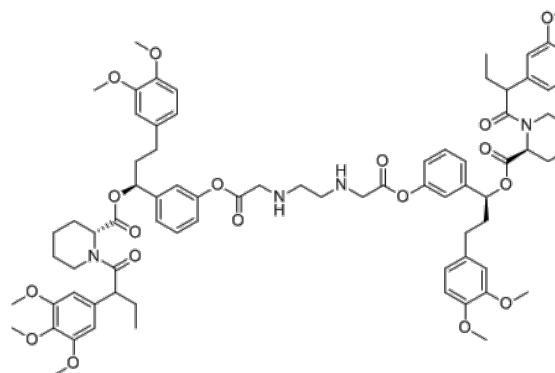


**Product Name** : AP1903  
**Cat. No.** : PC-35967  
**CAS No.** : 195514-63-7  
**Molecular Formula** : C<sub>78</sub>H<sub>98</sub>N<sub>4</sub>O<sub>20</sub>  
**Molecular Weight** : 1411.65  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

AP1903 (Rimiducid, AP-1903) is a potent, specific synthetic ligand of **FKBP Phe36Val mutant (F36V-FKBP)** with binding IC<sub>50</sub> of 1.8 nM.

AP1903 displaces the Fluoresceinated FK506 probe from F36V-FKBP with an IC<sub>50</sub> of 5 nM, but shows negligible binding activity to the wild-type protein.

AP1903 elicited potent and dose-dependent apoptotic death of human fibrosarcoma line HT1080 expressing dimerizer-dependent Fas constructs with EC<sub>50</sub> of 0.1 nM.

AP1903 induces activation of Fas signaling both in vitro and in vivo, AP1903 is a lipid-permeant dimerizing ligand induced oligomerization and activation of FKBP.

## References

Clackson T, et al. *Proc Natl Acad Sci U S A*. 1998 Sep 1;95(18):10437-42.

Richard RE, et al. *Blood*. 2000 Jan 15;95(2):430-6.

Thomis DC, et al. *Blood*. 2001 Mar 1;97(5):1249-57.

Narayanan P, et al. *J Clin Invest*. 2011 Apr;121(4):1524-34.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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