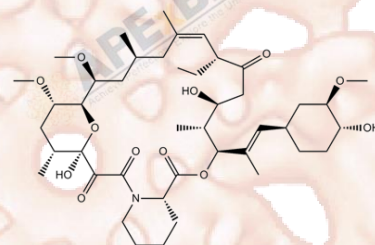


## Ascomycin(FK 520)

<b>Cat. No.:</b>	A3191
<b>CAS No.:</b>	104987-12-4
<b>Formula:</b>	C43H69NO12
<b>M.Wt:</b>	792.01
<b>Synonyms:</b>	Immunomycin;FK 520;FR 900520;FR-900520;FR900520;FK-520;FK520
<b>Target:</b>	Microbiology & Virology
<b>Pathway:</b>	Antibiotic
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

≥38.9 mg/mL in DMSO; insoluble in H<sub>2</sub>O; ≥98.6 mg/mL in EtOH

In Vitro

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1mg	5mg	10mg
	<b>1 mM</b>		1.2626 mL	6.3131 mL	12.6261 mL
	<b>5 mM</b>		0.2525 mL	1.2626 mL	2.5252 mL
	<b>10 mM</b>		0.1263 mL	0.6313 mL	1.2626 mL

Please refer to the solubility information to select the appropriate solvent.

### Biological Activity

Shortsummary

Macrolide immunosuppressant,FK-520 analog

IC<sub>50</sub> & Target

(peptidyl-prolyl cis-trans isomerase), 0.52 μM (PfkBKP35)

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APExBIO Technology**

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