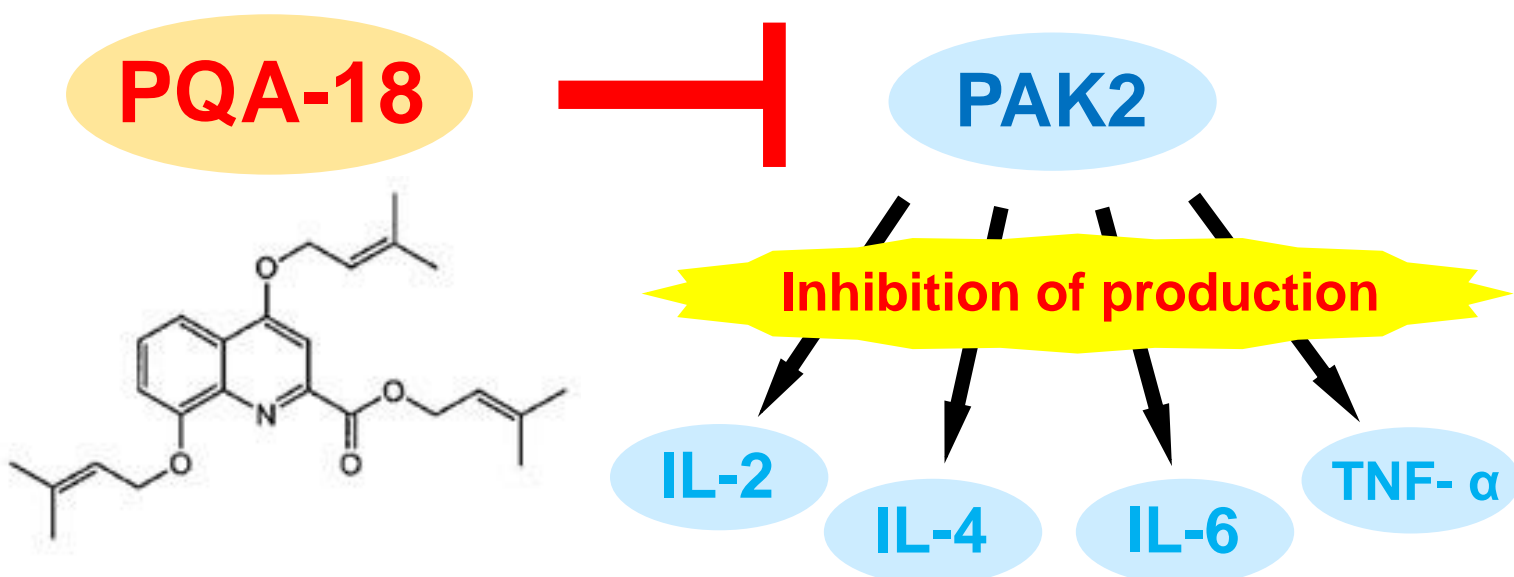


Novel immunosuppressor

For more information : http://www.funakoshi.co.jp/exports_contents/80681

PQA-18 strongly inhibits p21-activated kinase 2 (PAK2) related to production of IL-2, IL-4, IL-6 and TNF-alpha.



For autoimmune disorder research

Product Information

Chemical name	3-Methylbut-2-enyl 4,8-bis(3 -methylbut methylbut-2-enyloxy)quinoline-2-carboxylate
CAS No.	1604678-82-1
Molecular formula	C ₂₅ H ₃₁ NO ₄
Molecular weight	409.52
Solubility	Soluble in DMSO
Purity	≥ 98%

This product has been commercialized with a license from Tohoku University and Fukushima Medical University School of Medicine.

[Manufacturer : FNA]

Product Name	Catalog #	Size	Storage
PQA-18, Immunosuppressor	FDV-0009	5 mg	-20 °C

What is PQA-18, immunosuppressor ?

PQA-18 is a newly developed immunosuppressor.

PQA-18 strongly inhibits p21-activated kinase 2 (PAK2) related to production of IL-2, IL-4, IL-6 and TNF-alpha.

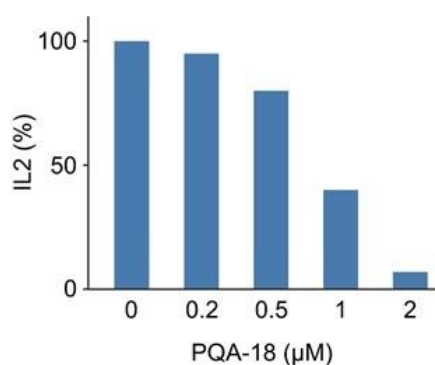
PQA-18 stands for "Prenylated Quinolinecarboxylic Acid compound 18", and following functions are reported.

- **PAK2 activity is reduced in a dose-dependent manner**, when Jurkat cells were treated with PQA-18 (below example data).
- **IL-2, IL-4, IL-6 and TNF-alpha production are reduced**, when human peripheral lymphocytes were stimulated with PQA-18 for 24 hours by ConA (10 ug/ml).
- **Antigen specific immune reactions are inhibited** when PQA-18 is intraperitoneally administered to mouse.
- Nc/Nga mouse (13 weeks old), applied with petrolatum ointment (100 mg) containing PQA-18, shows **less skin irritation and reduction in blood IgE amount**.

Features

- Higher stability in blood compared to FK-506.
- Compatible with *in vivo* and *in vitro* application.

Example Data



Jurkat cells were treated with PQA-18.

IL-2 production is reduced in a dose-dependent manner.

Reference

Ogura M, *et al.*, *Biochem. Pharmacol.*, 105:55-65 (2016).

NOTE

※ All products here are research use only, not for diagnostic use.
※ Specs might be changed for improvement without notice.

※ Company name and product name are trademark or registered mark.
※ Please contact your local distributors for orders, quote request and inquiry.

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