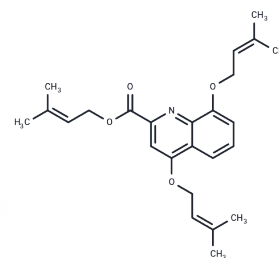


PQA-18

## Chemical Properties

CAS No. : 1604678-82-1  
 Formula: C<sub>25</sub>H<sub>31</sub>N<sub>2</sub>O<sub>4</sub>  
 Molecular Weight: 409.52  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	PQA-18, an inhibitor of p21-activated kinase 2 (PAK2; IC <sub>50</sub> = 10 nM), is derived from Ppc-1 (product number 42352) and exhibits immunosuppressive properties. It inhibits IL-2 production in Jurkat T cells induced by Concanavalin A (product number 14951) with an IC <sub>50</sub> of 400 nM. Topically applied at 0.1%, PQA-18 reduces the severity of atopic dermatitis, serum IgE levels, and skin thickness in the NC/Nga mouse model. A lower concentration of 0.05% also decreases skin nerve fiber density in NC/Nga mice. Additionally, PQA-18 administered at 4 mg/kg improves graft survival in a rat small intestine transplantation model.
Targets(IC <sub>50</sub> )	Interleukin,PAK,TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4419 mL	12.2094 mL	24.4188 mL
5 mM	0.4884 mL	2.4419 mL	4.8838 mL
10 mM	0.2442 mL	1.2209 mL	2.4419 mL
50 mM	0.0488 mL	0.2442 mL	0.4884 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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