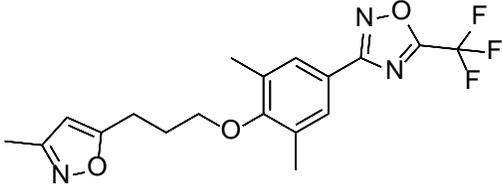


# Product data sheet



MedKoo Cat#: 529403 Name: Pleconaril CAS: 153168-05-9 Chemical Formula: C <sub>18</sub> H <sub>18</sub> F <sub>3</sub> N <sub>3</sub> O <sub>3</sub> Exact Mass: 381.13 Molecular Weight: 381.3552	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

## 1. Product description:

Pleconaril is an antiviral drug potentially for the treatment of enterovirus infection and asthma. Pleconaril, administered either orally or intranasally, is active against viruses in the Picornaviridae family, including Enterovirus and Rhinovirus. It has shown useful activity against the dangerous strain enterovirus D68. Pleconaril binds to a hydrophobic pocket in the VP1 protein. Pleconaril has been shown in viral assembly to associate with viral particles.[9] Through noncovalent, hydrophobic interactions compounds can bind to the hydrophobic pocket. Amino acids in positions Tyr152 and Val191 are a part of the VP1 drug binding pocket.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMF	25.0	65.56
DMSO	65.33	171.32
Ethanol	10.0	26.22

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.62 mL	13.11 mL	26.22 mL
5 mM	0.52 mL	2.62 mL	5.24 mL
10 mM	0.26 mL	1.31 mL	2.62 mL
50 mM	0.05 mL	0.26 mL	0.52 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

## 7. Bioactivity

Biological target:

Pleconaril is a capsid inhibitor used previously to treat enterovirus infections.

In vitro activity

TBD

# Product data sheet



In vivo activity

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TBD

*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*