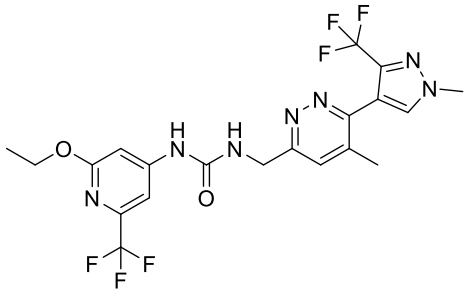


# Product data sheet



MedKoo Cat#: 556021 Name: GLPG2938 CAS#: 2130996-00-6 Chemical Formula: C <sub>20</sub> H <sub>19</sub> F <sub>6</sub> N <sub>7</sub> O <sub>2</sub> Exact Mass: 503.1504 Molecular Weight: 503.4094	
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:

GLPG2938 is an antagonist of sphingosine-1-phosphate (S1P) receptor for prophylaxis and/or treatment of diseases including fibrotic, inflammatory, autoimmune, metabolic, cardiovascular, and/or proliferative diseases. GLPG2938 displayed S1P inhibitory activity with EC<sub>50</sub> value of 9.5 nM (S1P2 antagonist EC<sub>50</sub>).

## 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	10.0	19.86
DMSO	51.5	102.30
Ethanol	1.0	1.99

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.99 mL	9.93 mL	18.86 mL
5 mM	0.40 mL	1.99 mL	3.97 mL
10 mM	0.20 mL	0.99 mL	1.99 mL
50 mM	0.04 mL	0.20 mL	0.40 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

1. Mammoliti O, Palisse A, Joannesse C, El Bkassiny S, Allart B, Jaunet A, Menet C, Coornaert B, Sonck K, Duys I, Clément-Lacroix P, Oste L, Borgonovi M, Wakselman E, Christophe T, Houvenaghel N, Jans M, Heckmann B, Sanière L, Brys R. Discovery of the S1P2 Antagonist GLPG2938 (1-[2-Ethoxy-6-(trifluoromethyl)-4-pyridyl]-3-[[5-methyl-6-[1-methyl-3-(trifluoromethyl)pyrazol-4-yl]pyridazin-3-yl]methyl]urea), a Preclinical Candidate for the Treatment of Idiopathic Pulmonary Fibrosis. *J Med Chem.* 2021 May 13;64(9):6037-6058. doi: 10.1021/acs.jmedchem.1c00138. Epub 2021 May 3. PMID: 33939425.

In vivo study

N/A

## 7. Bioactivity

Biological target:

GLPG2938 is a potent and selective S1P2 antagonist.

In vitro activity

# Product data sheet



N/A

In vivo activity

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N/A

*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.*