

Product data sheet



MedKoo Cat#: 205999 Name: Dilmapimod CAS#: 444606-18-2 (free base) Chemical Formula: C ₂₃ H ₁₉ F ₃ N ₄ O ₃ Exact Mass: 456.14093 Molecular Weight: 456.42	
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:

Dilmapimod, also known as SB-681323 and GW-681323, is p38 MAPK inhibitor. SB-681323 inhibited the p38 MAPK pathway to a greater degree than prednisolone did. SB-681323 inhibited TNF-alpha production. SB-681323 is a potent p38 MAPK inhibitor that potentially suppresses inflammation in COPD. The treatment with SB-681323 is a safe and effective means of reducing hsCRP in patients undergoing elective PCI.

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
DMSO	125	273.87

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.19 mL	10.95 mL	21.91 mL
5 mM	0.44 mL	2.19 mL	4.38 mL
10 mM	0.22 mL	1.10 mL	2.19 mL
50 mM	0.04 mL	0.22 mL	0.44 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:

Dilmapimod, also known as SB-681323 and GW-681323, is p38 MAPK inhibitor.

In vitro activity

TBD

In vivo activity

TBD

Product data sheet



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.