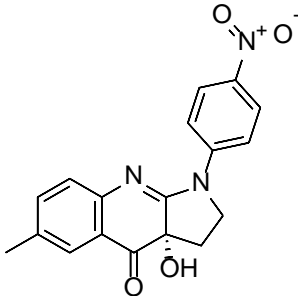


# Product data sheet



MedKoo Cat#: 463499 Name: para-NitroBlebbistatin CAS: 1621326-32-6 Chemical Formula: C <sub>18</sub> H <sub>15</sub> N <sub>3</sub> O <sub>4</sub> Exact Mass: 337.1063 Molecular Weight: 337.335		
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:

para-NitroBlebbistatin is a selective cell-permeable inhibitor of non-muscle myosin II ATPases, being more stable and less phototoxic than Blebbistatin.

## 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	20.0	59.29
DMF:PBS (pH 7.2) (1:1)	0.5	1.48
DMSO	17.25	51.14

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.96 mL	14.82 mL	29.64 mL
5 mM	0.59 mL	2.96 mL	5.93 mL
10 mM	0.30 mL	1.48 mL	2.96 mL
50 mM	0.06 mL	0.30 mL	0.59 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:

para-Nitroblebbistatin is a non-cytotoxic, photostable, fluorescent and specific Myosin II inhibitor.

In vitro activity

TBD

In vivo activity

TBD

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*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.*