

# Product data sheet



MedKoo Cat#: 406166 Name: OM-137 CAS: 292170-13-9 Chemical Formula: C <sub>13</sub> H <sub>14</sub> N <sub>4</sub> O <sub>3</sub> S Exact Mass: 306.0787 Molecular Weight: 306.3403	
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:

OM137 is an inhibitor of Aurora kinases, which is growth inhibitory to cultured cells when applied at high concentration and potentiates the growth inhibitory effects of subnanomolar concentrations of paclitaxel.

## 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
TBD	TBD	TBD

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.26 mL	16.32 mL	32.64 mL
5 mM	0.65 mL	3.26 mL	6.53 mL
10 mM	0.33 mL	1.63 mL	3.26 mL
50 mM	0.07 mL	0.33 mL	0.65 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

DeMoe JH, Santaguida S, Daum JR, Musacchio A, Gorbsky GJ. A high throughput, whole cell screen for small molecule inhibitors of the mitotic spindle checkpoint identifies OM137, a novel Aurora kinase inhibitor. *Cancer Res.* 2009 Feb 15;69(4):1509-16. doi: 10.1158/0008-5472.CAN-08-3133. Epub 2009 Feb 3. PMID: 19190331; PMCID: PMC2655231.

In vivo study

TBD

## 7. Bioactivity

Biological target:

OM137 is an inhibitor of Aurora kinases.

In vitro activity

This study characterizes one of the compounds, OM137, as an inhibitor of Aurora kinases. This study finds that this compound is growth inhibitory to cultured cells when applied at high concentration and potentiates the growth inhibitory effects of subnanomolar concentrations of paclitaxel.

Reference: *Cancer Res.* 2009 Feb 15;69(4):1509-16. <https://pubmed.ncbi.nlm.nih.gov/19190331/>

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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.*