

# Product data sheet



MedKoo Cat#: 562771 Name: NSC756093 CAS: 1629908-92-4 Chemical Formula: C <sub>20</sub> H <sub>19</sub> NO <sub>4</sub> Exact Mass: 337.1314 Molecular Weight: 337.375	
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:

NSC756093 is the first inhibitor of the GBP1:PIM1 interaction.

## 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	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

Andreoli M, Persico M, Kumar A, Orteca N, Kumar V, Pepe A, Mahalingam S, Alegria AE, Petrella L, Sevcianaite L, Camperchioli A, Mariani M, Di Dato A, Novellino E, Scambia G, Malhotra SV, Ferlini C, Fattorusso C. Identification of the first inhibitor of the GBP1:PIM1 interaction. Implications for the development of a new class of anticancer agents against paclitaxel resistant cancer cells. *J Med Chem.* 2014 Oct 9;57(19):7916-32. doi: 10.1021/jm5009902. Epub 2014 Sep 26. PMID: 25211704; PMCID: PMC4191604.

In vivo study

TBD

## 7. Bioactivity

Biological target:

NSC756093 is a potent inhibitor of the GBP1:PIM1 interaction.

In vitro activity

The inhibition of the GBP1:PIM1 interaction by NSC756093 was dose-dependent (Figure 2B) and statistically significant as compared with the control without drug ( $p < 0.001$ , Anova). To confirm the activity of the drug in cell lines, this study assessed the ability of NSC756093 to inhibit the GBP1:PIM1 interaction in SKOV3 cells.

Reference: *J Med Chem.* 2014 Oct 9;57(19):7916-32. <https://pubmed.ncbi.nlm.nih.gov/25211704/>

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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.*