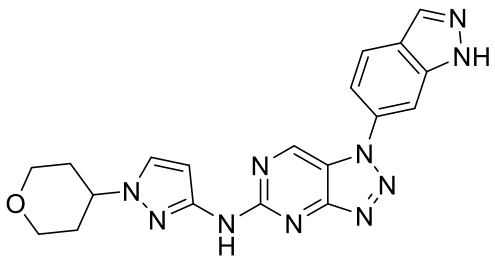
Product data sheet

MedKoo Cat#: 533054 Name: GCN2 Inhibitor A-92 CAS: 1448693-69-3 Chemical Formula: $C_{19}H_{18}N_{10}O$ Exact Mass: 402.1665 Molecular Weight: 402.422	
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:
GCN2 Inhibitor A-92 is a novel inhibitor of general control nonderepressible 2 kinase (GCN2 or EIF2AK4) stress response.

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	60.0	149.10

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.49 mL	12.43 mL	24.85 mL
5 mM	0.50 mL	2.49 mL	4.97 mL
10 mM	0.25 mL	1.24 mL	2.49 mL
50 mM	0.05 mL	0.25 mL	0.50 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:
GCN2-IN-1 (A-92) is a potent general control nonderepressible 2 kinase (GCN2) inhibitor with an IC_{50} of <0.3 μM in the enzyme assay and an IC_{50} of 0.3-3 μM in the cell assay.

In vitro activity
TBD

In vivo activity
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.

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